

Scuba Diving Beginners Crash Course To Scuba Diving And Underwater Adventures

Dive Into Algorithms is a broad introduction to algorithms using the Python Programming Language. Dive Into Algorithms is a wide-ranging, Pythonic tour of many of the world's most interesting algorithms. With little more than a bit of computer programming experience and basic high-school math, you'll explore standard computer science algorithms for searching, sorting, and optimization; human-based algorithms that help us determine how to catch a baseball or eat the right amount at a buffet; and advanced algorithms like ones used in machine learning and artificial intelligence. You'll even explore how ancient Egyptians and Russian peasants used algorithms to multiply numbers, how the ancient Greeks used them to find greatest common divisors, and how Japanese scholars in the age of samurai designed algorithms capable of generating magic squares. You'll explore algorithms that are useful in pure mathematics and learn how mathematical ideas can improve algorithms. You'll learn about an algorithm for generating continued fractions, one for quick calculations of square roots, and another for generating seemingly random sets of numbers. You'll also learn how to:

- Use algorithms to debug code, maximize revenue, schedule tasks, and create decision trees
- Measure the efficiency and speed of algorithms
- Generate Voronoi diagrams for use in various geometric applications
- Use algorithms to build a simple chatbot, win at board games, or solve sudoku puzzles
- Write code for gradient ascent and descent algorithms that can find the maxima and minima of functions
- Use simulated annealing to perform global optimization
- Build a decision tree to predict happiness based on a person's characteristics

Once you've finished this book you'll understand how to code and implement important algorithms as well as how to measure and optimize their performance, all while learning the nitty-gritty details of today's most powerful algorithms.

Learn how to invest and start making money, even if you have never traded stocks before! When looking for a place to grow your money, there are various options that you can explore. You could save your money at home in a large jar so that you can spend it later, or you could put it in the bank and watch it earn nominal interest. Another option would be to purchase stocks, which can give you an excellent return. A stock can also be referred to as a share, and it is a share in the ownership of an organization. Owning stocks does not make you responsible for the day to day running of the company. You can benefit when the company becomes profitable. The reason this is possible is that owning stocks allows you to claim the overall earnings of an organization, as well as any assets that they may own. The benefits you enjoy can increase with the more stock you purchase and own from the organization. With this book you will learn: * The

Basics * How to Start * Winning Trading Strategies * Risks and Volatility * 10 Hints, Tips, and Tricks * 13 Mistakes to Avoid * How to get the Right News at the Right Time * 5 Tips That Will Take Your Stock Trading Strategies from Good to Great * And Much More If it were that simple to make money on stocks, then everyone would be trading in them. However, there is one concerning element to stock trading, and that is high risks. There is always the risk of losing your entire investment if the stock that you purchase depreciates. That is why before you dive into the world of stock trading, it is crucial to have some primary education on trading, which will help with planning as well as avoiding falling into the various traps that befall some investors. It should, however, be noted that any investment requires some bit of risk-taking. Hence, risks are not only expected in stock trading. Don't Wait more. The Best Time to Get Started is Today! Scroll to the top of the page and select the "Buy now" button.

A hands-on, problem-based introduction to building algorithms and data structures to solve problems with a computer. Algorithmic Thinking will teach you how to solve challenging programming problems and design your own algorithms. Daniel Zingaro, a master teacher, draws his examples from world-class programming competitions like USACO and IOI. You'll learn how to classify problems, choose data structures, and identify appropriate algorithms. You'll also learn how your choice of data structure, whether a hash table, heap, or tree, can affect runtime and speed up your algorithms; and how to adopt powerful strategies like recursion, dynamic programming, and binary search to solve challenging problems. Line-by-line breakdowns of the code will teach you how to use algorithms and data structures like:

- The breadth-first search algorithm to find the optimal way to play a board game or find the best way to translate a book
- Dijkstra's algorithm to determine how many mice can exit a maze or the number of fastest routes between two locations
- The union-find data structure to answer questions about connections in a social network or determine who are friends or enemies
- The heap data structure to determine the amount of money given away in a promotion
- The hash-table data structure to determine whether snowflakes are unique or identify compound words in a dictionary

NOTE: Each problem in this book is available on a programming-judge website. You'll find the site's URL and problem ID in the description. What's better than a free correctness check?

The Complete French Course - 3 Books In 1 Box Welcome to the Ultimate Crash Course on French! * * *FREE GIFT INSIDE - How to Learn Any Language 300% FASTER* * *Would you like to learn French? In that case, congratulations. You've just found the most advanced, comprehensive, and up to date French course in existence! This unique course will take you really, really far. It's the single best program I've ever prepared. It contains over +450 pages of top notch French lessons that will take you from beginner to fluent in a matter of DAYS. You see, when it comes to learning new languages we are ALL in the same game, and yet most people don't even realize it. Most people don't take the time to think HOW

they can speed up the entire process, and just dive in hoping for the best. That's precisely why all the aspiring language speakers so desperately need the RIGHT system first! They aren't learning the right way, they chunking things here and there. And so I did, back before I was introduced to the proper language learning strategies. It took me time to learn those strategies. It took me a lot of time and effort to incorporate the secrets that would ultimately shape my entire language learning process! And now, I'm willing to share those secrets with you. I wrote this big box set for a reason. I wrote this book to show you HOW you can learn French FASTER than you ever thought possible. I wrote it to show you how you can set apart from the average path and go the whole way instead. I may not know you, but I certainly know something about you: both you and me are alike. Whether you are just starting to get in touch the French language, or even if you have already started practicing it, I know you don't settle for average learning methods. I know you want something better. You won't stop until you fully grasp its essence. Until you fully grasp the path of simplicity. You won't stop until you truly achieve all you can achieve. And guess what? That's precisely what we will go for on this book! Hey, I'm not saying you should throw away all the stuff you have already incorporated. You don't have to do that, trust me. My approach to language learning is different. I'm a modern person. I'm aware of the world we live in, and I don't want to turn things upside down, and I guess neither do you. So, don't worry! I've got you covered. We'll go through the right strategies and we will APPLY them into our daily modern lives. Because that's what's all about, isn't it? It's about improving our lives. Improving our focus. Improving our happiness and productivity. I'm glad to be here to share this amazing journey with you! My goal is simple. I will help you incorporate the right strategies to learn French FAST. I will help you simplify your path to learning a new tongue. Sounds too difficult? It's not. I will show you how. I will take you through a step by step guide where you simply can't get lost! Together, we will go to the roots of Language and you will end up learning French in NO TIME! Here Is A Preview Of What You'll Learn Inside... The Basics of French Grammar Words, Expressions, Pronunciation Simple Tenses, Regular vs Irregular, Present, Future, Past Crash Course on Social Skills In French Chatting in French (Conversations, Small Talk & More) Travelling Around (Directions, Transport, Having FUN!) Useful Phrases & Expressions Eating, Drinking, Culture & Entertainment Business Matters - Workplace, Doing Business, Trips Numbers (Time, Money, Counting) Household Expressions & Phrases Making The Most Out of Your Trip to France Conclusion: Congratulations, You're Now Officially Are a French Speaker! Much, much more! What Are You Waiting For? Get "French Box Set - 3 Books In 1 Box" Right Now Before the Price Goes Up! Get Your Copy Right Now! Take an intriguing journey to interior of Kenya and visit the culture of the Abagussi kabila or Tribe Kisii. Face the dangers and challenges with a retired detective turned missionary.

I've updated the original book with three 30 min scripts. One sensual, one sexual, and one vulgar script. One listener said

"it wraps around your mind and powerfully strokes your desires." Imagine that silky-smooth, sexually hypnotic voice that relaxes your entire spirit, body, and mind. Close your eyes and let that calm, confident voice guide you toward all your sexual fantasies and inner desires. Dreams and reality merged into one fantastic experience - the experience of erotic hypnosis. Erotic hypnosis is a perfectly safe practice you can do at home. It's a tool you can use to come closer to your partner, experience total relaxation, spice up your sex life, or have some fun. The most common form of erotic hypnosis is femdom hypnosis. The examples in the book refer to femdom, but the underlying psychological aspect remains the same for all kinds of relationships. I've written the book so you can use it as a guide to all types of relationships. I will teach you how you can: write your own erotic hypnosis scripts how you build up a sensual story, so your partner gets hooked (and aroused) how to perform the erotic hypnosis session, including what do to before and after the session a brief history about erotic hypnosis a dive into the world of erotic hypnosis erotic hypnosis cheat sheet (checklist) and much more! I've also included several example scripts and the end of the book. You can have them as ready-to-read scripts and let your partner read them for you, read them for your partner, or take a deep breath and read them for yourself! Scroll up, buy the book, and start practice the art of erotic hypnosis today!

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The Complete German Course - 3 Books In 1 Box>Welcome to the Ultimate Crash Course on German!* * *FREE GIFT
INSIDE - How to Learn Any Language 300% FASTER* * *Would you like to learn German? In that case, congratulations.
You've just found the most advanced, comprehensive, and up to date German course in existence! This unique course
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German lessons that will take you from beginner to fluent in a matter of DAYS. You see, when it comes to learning new
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something about you: both you and me are alike. Whether you are just starting to get in touch the German language, or
even if you have already started practicing it, I know you don't settle for average learning methods. I know you want

something better. You won't stop until you fully grasp its essence. Until you fully grasp the path of simplicity. You won't stop until you truly achieve all you can achieve. And guess what? That's precisely what we will go for on this book! Hey, I'm not saying you should throw away all the stuff you have already incorporated. You don't have to do that, trust me. My approach to language learning is different. I'm a modern person. I'm aware of the world we live in, and I don't want to turn things upside down, and I guess neither do you. So, don't worry! I've got you covered. We'll go through the right strategies and we will APPLY them into our daily modern lives. Because that's what's all about, isn't it? It's about improving our lives. Improving our focus. Improving our happiness and productivity. I'm glad to be here to share this amazing journey with you! My goal is simple. I will help you incorporate the right strategies to learn German FAST. I will help you simplify your path to learning a new tongue. Sounds too difficult? It's not. I will show you how. I will take you through a step by step guide where you simply can't get lost! Together, we will go to the roots of Language and you will end up learning German in NO TIME! Here Is A Preview Of What You'll Learn Inside... The Basics of German Grammar Words, Expressions, Pronunciation Simple Tenses, Regular vs Irregular, Present, Future, Past Crash Course on Social Skills In German Chatting in German (Conversations, Small Talk & More) Travelling Around (Directions, Transport, Having FUN!) Useful Phrases & Expressions Eating, Drinking, Culture & Entertainment Business Matters - Workplace, Doing Business, Trips Numbers (Time, Money, Counting) Household Expressions & Phrases Making The Most Out of Your Trip to Germany Conclusion: Congratulations, You're Now Officially Are a German Speaker! Much, much more! What Are You Waiting For? Get "German Box Set - 3 Books In 1 Box" Right Now Before the Price Goes Up! Get Your Copy Right Now!

A guide to traveling in the Bahamas that provides information on hotels, restaurants, shops, currency, culture, and popular sites.

The Hitchhiker's Guide to Python takes the journeyman Pythonista to true expertise. More than any other language, Python was created with the philosophy of simplicity and parsimony. Now 25 years old, Python has become the primary or secondary language (after SQL) for many business users. With popularity comes diversity—and possibly dilution. This guide, collaboratively written by over a hundred members of the Python community, describes best practices currently used by package and application developers. Unlike other books for this audience, The Hitchhiker's Guide is light on reusable code and heavier on design philosophy, directing the reader to excellent sources that already exist. From leading scientist-practitioners, this book presents empirically supported interventions that have been carefully adapted--or specially designed--to meet the needs of children and adolescents and their families. Each chapter reviews the literature on a specific clinical problem and presents an extended case example demonstrating the process of assessment and treatment. The volume's strong theoretical framework and careful balance of scholarly and practical concerns enhance its utility as a clinical reference and text. A new preface to the paperback edition situates the book within the context of contemporary research developments.

Have you ever wanted to Scuba Dive? Read this book for FREE on Kindle Unlimited - Download Now! Does Scuba interest you? Do you wish you knew more about diving? When you BUY SCUBA DIVING: Beginners Crash Course To Scuba Diving and Underwater Adventures, your

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knowledge will increase every day! You will discover everything you need to know about Scuba Diving. These fun and easy tips will transform you, you will no longer be a beginner fun hobby. You'll be proud to show off your skills knowledge and new techniques whenever your scuba diving with friends. Would you like to know more about Hand Signals? Pros and cons of Scuba Diving? Underwater emergencies and hazards? Scuba Diving? Equalizing pressure in the ears, sinuses, and mask This book breaks training down into easy-to-understand modules. It starts from the very beginning of Scuba Diving, so you can get great results - even as a beginner! BUY SCUBA DIVING: Beginners Crash Course To Scuba Diving and Underwater Adventures now, and start Scuba Diving! Scroll to the top and select the "BUY" button for instant download. You'll be happy you did!

Your Step-By-Step Guide To Learning SQL For Work Congratulations on your new job! Yesterday, dealing with databases seemed far away, but today, your boss told you to "run a report of our sales on our database." You need to learn SQL, and fast. If this sounds familiar, I have good news for you. SQL - or Structured Query Language - is an easy-to-learn computer language designed for business analysts like yourself. It's not complicated and I am confident you can learn it, too. With this short and fast-paced crash course, you will learn and practice the basics of SQL Programming in a day. With the basics under your belt, you will hit the ground running when you work with your company's data. LEARN: Here's Exactly What You Need to Know to Get Started What is SQL? You will learn the basics of what SQL is, how to install SQLite for your exercises, how to create a new database yourself and what the differences are between Oracle, Microsoft SQL Server, MySQL and PostgreSQL. You will also learn about the advantages and disadvantages of SQL, how to get started with your company's database and how to stay safe from mistakes when running reports against real data. Database and Table Basics In this chapter you will learn what databases and tables are as we compare them to Excel Spreadsheets. You will learn how query a table using SQL's SELECT query including a deep-dive into the WHERE clause with its many operators. I will also show you how easy it is to create your own table using the CREATE TABLE statement. Then you will learn how to INSERT, UPDATE and DELETE rows in a table. Finally, I will show you how to remove a table altogether using the DROP TABLE command. The Select Statement In this chapter you will learn more about the SELECT statement, the bread-and-butter of any database business analyst. We will learn about the 5 clauses that make SELECT so powerful: Aggregate functions like MIN, MAX, AVG, SUM and COUNT that lets you gain new insights on your data on the fly. Clauses In this chapter, you will learn how to use GROUP BY, HAVING and ORDER BY to slice and dice your data even further. Finally, we will re-visit the WHERE clause to make sure you only analyse data that you really care about. Sequences and How to Handle Duplicates In this chapter you will learn how the database system can automatically generate a new identifier for each of your rows of data using what's called a PRIMARY KEY. To ensure that your records of data stay unique, you will learn how to use the UNIQUE keyword when creating tables. Table Joins - An Absolute Must Up to this point, you have learned how to create, read, update and delete data from single tables. What makes relational databases so powerful is, well, that they're relational. In this chapter you will learn how to run analysis by connecting data-points between tables using the JOIN clause in your SELECT statements. - 2 years I started work as business analyst and the first thing I had to deliver was report to my boss the next day. I scrambled to find a quick, practical introduction to SQL. I got the report done in time but I thought to myself "There must be a better, less painful way to learn this." This book contains all the basics that I had to find all over the web. I kept it short so that you get the most bang for your buck. My goal for you is to de-mystify everything you need to know about SQL, so you can do your job and do it well. Ready to impress your boss with your SQL programming skills? Scroll to the top and hit the Buy button!

If you want a book that guides you through the programming world especially Python, then I would recommend this book as your number one

choice! There are number of interesting topics for experienced and novice developers that can be explored. These include algorithms and data structures, strings of text and numbers, types of operators, classes and objects, web programming and the main errors in the development of a program. It also talks about data science and its impact on the future so far. The purpose of this book on Python is to provide the fundamentals of this language to scientists accustomed to other languages such as Fortran, C, Matlab and so on, and also to computer scientists working in the scientific community. Basic programming skills are needed for the reader to make the most of this book. The author details the basics of language and the presents, with examples, tools and methods of implementation. Thus, anyone working in the field will enjoy this book without first having any knowledge of Python. It is nevertheless important to have good programming skills, otherwise you risk quickly being overtaken by the pace of the book. The presentation of the Python language and its standard library is quite dense but the explanations are clear and the remarks interesting, all with many simple examples, ideal for someone who needs to dive quickly into Python. All you need to know from start to finish is contained in this book and will leave you satisfied with a better understanding of things GET IT NOW and you'll be glad you did!

Do You Want to Trade Your Way to Constant Profit on the Forex Market? For a beginner, the Forex market is difficult to navigate. All that research you need to do, all those calculations of risk and reward - it's a hard game to break into and even harder to get right. On the other hand, diving into the specifics of Forex trading will open the door to consistent profits that can bolster your bank balance every day for the rest of your life. This book will teach you how to understand the Forex market from scratch. By the time you're finished, you'll know exactly how to navigate your choices - and how to make them with wisdom. See, it's all about understanding what background research you need to do to understand market trends, and I'm going to walk you through that exciting process. Give me one week, and I'll double your chances of making a profit on the forex market. Give me one month, and I'll make sure you're not just confident enough to make investments at will, you're doing so in the right way to make a tidy deposit into your trading account. In this book, we'll cover: • The currency pairs that offer real rewards • Strategies to spot the trends in the market and predict where your profit is hiding • How to see patterns in the market, how to spot great investments -- and how to make money • And much, much more If you don't listen to this guide, you risk losing your life savings on the Forex market. This guide has been proven to work - 100 times over! I'm going to teach you that understanding the basic principles of the Forex market is not nearly so difficult as you thought. All it takes is a few easy steps, and you'll start to feel a difference within a few short days - and all for less than the cost of a map of the world. So scroll up now and click the Buy button, to start making a profit today!

Scuba Diving Beginners Crash Course to Scuba Diving and Underwater Adventures Createspace Independent Publishing Platform

Unlock the power of Options Trading and start making money today! Are you looking to get into trading, but you don't know where to begin? Want to know the difference between a "bearish" and "bullish" Options strategy? Written with the beginner and layperson in mind, this simple yet vital crash course covers all the basics of Options Trading and so much more! From learning the fundamental trading strategies like the different kinds of calls and puts, to knowing how to manage your risks, now you can dive into the world of trading armed with the latest knowledge in how to succeed! Inside this powerful Options Trading Crash Course, you'll discover: How to choose the Options, including the two most important types of options to make you money The Best Broker for Beginners who does not charge commissions to your earnings How get fast profits by learning how options change in price and what makes them change rapidly What the Greeks are and How they Can Help You Succeed The 10 Best Strategies to get

Amazing ROI and that you must absolutely know The Secret Method to evaluate the profitability of a strategy and avoid losing money How to correctly Manage Risk and Alter Your Mindset to operate in a cold and safe way. The costly mistakes to avoid during trading options and that nobody tells you How to choose Options Platform and Tools to maximize your earnings And So Much More! With a wealth of tips and tricks to help you with the Options Trading market, along with all the key strategies guaranteed to help you find success, now you can revolutionize your mindset and start making money with this powerful form of trading. Whether you've already tried Options Trading or never heard of it before, inside this guide you're bound to find vital information that will help you on your Options Trading journey. So what are you waiting for? Buy Now to join the countless people succeeding with Options Trading today!

A comprehensive guide to creating dynamic, successful, and innovative library programs that cater to the specialized needs of older adults—an important and growing user group.

Would you like to start programming with Python? Are you interested in learning this language? Then this book is perfect for you! There are a lot of great options for working with the Python language, and it is not going to take very long before you can work with this kind of writing. There are also a lot of benefits to this language, even when we spend some time comparing it to some of the other coding languages out there. Keep in mind that there are a lot of different coding languages out there that you can focus your attention on. And sometimes, all of these options can make it hard to know which one is the best for your needs. Even with these options, the Python language is going to provide us with a lot of power to handle most of the coding that we want to do, while still being easy to read and learn, and can work with all of the operating systems that you would like. ???This book covers:??? ? Functions and Modules ? Defining Your Functions ? Working with Your Module ? Working with Files ? Using A for Loop to Write and Read Text Files And so much more! This guidebook is going to take the Python language to the next level and look at some of the more advanced features that you can enjoy with this kind of writing, but when you look at some of the codes, even some of these that are more advanced than what you may have worked with in the past, you will find that it is easy to write some codes that have a lot of power, and even easy to complete your projects. Ready to get started? Grab your Copy Now!

About Edward DayEdward Day left a successful 7 year sales career in the medical field to follow his dream of "being able to do what I want, when I want, with who I want." He worked with his first brokerage firm in 2010 and has not looked back since. When not writing or trading, he is happiest golfing, running, and teaching others the skills to make life changing money. Edward believes that getting the most out of life means having unlimited time to be able to follow your passions and inspire others. It does not mean following the latest craze or "Lambo money working 2 hours per week." "Continued success is a reflection of your habits and actions on a daily basis. In other words, it's your habits that help you achieve your goals and live the life you have always wanted." In Swing Trading Strategies For Beginners: 3 Hour Crash Course, you will discover: ?The 7 steps you must take to succeed in swing trading and continue to increase your earnings in the long run? Why swing trading isn't the same as day trading, and how you can use it to your own profitable advantage? The key principles of swing trading you must know before diving in head first to

avoid common rookie mistakes? Why timing matters when it comes to trading, as well as how you can utilize this technique to reap larger rewards? The best stocks to invest in for swing trading that will always keep you one step ahead of the rest in the game? How to properly analyze market trends before deciding on which stocks to invest in? The secret to being both financially and mentally prepared for swing trading, even if you've never tried trading of any kind And much more.

This June 2010 version is the most up-to-date travel guide to Nicaragua available anywhere. With this guide you can: - Surf hidden breaks uncovered by local surfers - Summit active volcanoes, zipline over lush rainforest, sit and sip at one of the country's many organic coffee farms, or hang your hammock in a remote Caribbean village - Float through the pristine rain forest that lines the Rio San Juan, tracing the Costa Rican border from Lake Nicaragua to the Caribbean Sea. - Navigate the border crossings with Costa Rica and get around Nicaragua by bus, boat and puddle jumper airplane - Understand the Nicaraguan people and how you can help them live a better life by traveling responsibly - Stay a while volunteering or studying Spanish in Granada, Ometepe, San Juan del Sur or Leon Why settle for an outdated guidebook? The VVA community of on-the-ground travel writers, local experts and travelers like you are continuously updating and improving this guide at vivatravelguides.com. Join them, and together we'll make the best guidebook to Nicaragua even better.

Quickly learn to program for microcontrollers and IoT devices without a lot of study and expense. MicroPython and controllers that support it eliminate the need for programming in a C-like language, making the creation of IoT applications and devices easier and more accessible than ever. MicroPython for the Internet of Things is ideal for readers new to electronics and the world of IoT.

Specific examples are provided covering a range of supported devices, sensors, and MicroPython boards such as Pycom's WiPy modules and MicroPython's pyboard. Never has programming for microcontrollers been easier. The book takes a practical and hands-on approach without a lot of detours into the depths of theory. The book: Shows a faster and easier way to program microcontrollers and IoT devices Teaches MicroPython, a variant of one of the most widely used scripting languages Is friendly and accessible to those new to electronics, with fun example projects What You'll Learn Program in MicroPython Understand sensors and basic electronics Develop your own IoT projects Build applications for popular boards such as WiPy and pyboard Load MicroPython on the ESP8266 and similar boards Interface with hardware breakout boards Connect hardware to software through MicroPython Explore the easy-to-use Adafruit IO connecting your microcontroller to the cloud Who This Book Is For Anyone interested in building IoT solutions without the heavy burden of programming in C++ or C. The book also appeals to those wanting an easier way to work with hardware than is provided by the Arduino and the Raspberry Pi platforms.

Written with a fast-paced but friendly and engaging approach, this Packt Beginner's guide is designed to be placed alongside the computer as your guide and mentor. Step-by-step tutorials are bolstered by explanations of the reasoning behind what you are doing. You will quickly pick up the necessary skills, tips, and tricks for building a successful Joomla! website. This book is written for beginners to website design. By the end of the book you will have built a complete custom content managed website, and be ready to build any kind of website.

Simplifying the seemingly difficult and expensive art of underwater photography, this accessible investigation outlines the four elements of success: focus, exposure, composition, and subject. Beginning with an overview of necessary diving skills, this survey reviews these four categories in detail, depicting how to obtain superior results even without the latest and greatest equipment. Maintenance and first-aid tactics are presented as well, reducing the chance of disappointing malfunctions during a dive. Also covered is the importance of developing a photography plan beforehand—both for the safety of the divers and the protection of the underwater environment. Concluding with post-shoot techniques for choosing the best frames, cropping photos for printing, and the top methods of presentation, this examination demonstrates how underwater images can be used to share the world of diving while promoting important conservation efforts.

An introduction to modeling and simulating physical systems with MATLAB, mathematical computing software for engineers and scientists. A concise introduction to programming and modeling real world systems with MATLAB, a popular programming language for science and engineering. Unlike competing books which are often too mathematical and theoretical, this book by best-selling author Allen Downey is designed to be practical, with an emphasis on thinking about how to design and use models. The author shows the reader that systems may have many possible models and shows them how to justify modeling decisions, choose appropriate models, validate their choices, and iteratively improve their models. Readers are taught basic programming skills and how to combine them with MATLAB to model and simulate systems like population growth, baseball flight trajectories, bungee jumping, and celestial mechanics. For example, the book explores concepts like the Penny Drop Myth: the claim that a penny dropped from the top of the Empire State Building lands with enough force to injure a person or the sidewalk. The author addresses this myth by developing and implementing three models of the system, including or excluding features like air resistance and spin. Other physical systems include world population growth, infectious disease, the coffee cooling problem, baseball trajectories, bungee jumping, and celestial mechanics. Readers learn to use MATLAB to visualize and summarize their results, as well as how to use their models to predict, explain, and design systems. The book presents applications from a range of areas including demography, thermodynamics, epidemiology, ecology, pharmacokinetics, and mechanics. Numerous exercises, sample code, and MATLAB Live Scripts (notebooks that include code, results, and explanatory text) help the reader develop the knowledge and skills necessary to work comfortably in MATLAB.

If you want to learn how to passively generate wealth with investment and how to identify your way to financial freedom, then keep reading Would you like to make major stock market profits, only having to invest hundreds of dollars, rather than having to spend years and thousands of dollars methodically investing? If that is something you are looking for, then this could be the right book for you. This bundle will allow you to learn how to make money passively, more specifically,

will make your income generation more long-term and will show you how you can start to make money through stock investing, especially when you are a beginner. In the Stock Market Investing book, you will learn: What is Stock Market Trading and all its benefits and disadvantages; How to start trading and as well as what do you need before you start; Techniques and strategies that will help them to start; Tips for becoming a successful top trader; The various solutions that a new trader should consider to have a better chance of success; In the Dividend Investing book you will learn: How does Dividend Investing works and How to start; How to set your portfolio; Techniques and strategies that will help them to start; Beginners' mistakes that should be avoided; In the Day Trading book you will learn: What is meant by Day Trading and how it operates; The meanings and importance of Volume, Price, and Technical Indicators; Risk Management and Account Management in Day Trading; Successful techniques, secrets and strategies; Examples of day trades, advice and methods that beginners should heed to; In the Forex Trading book you will learn: The principles of Forex Trading, and the different types of forex traders; The advantages of Forex and the reasons an individual should choose forex trading over other forms of trading; Profits, Risk Management and mistakes to avoid; Examples and demonstrations of real trades; In the Options Trading book you will learn: Why you only need a few hundred dollars to get started; Ways to earn money on declining stock prices; The joys of earning an income from options each and every single week. You may even be able to quit your job! The different types of options there are – we'll demystify calls and puts for you; The most common options trading strategies used on the markets by professionals; And much, much more! How many books do an excellent job of talking about the advanced strategies that top investors are doing? The truth is, there are not many top investors who are looking for knowledge. There are more beginners than you can think of. This book has been catered specifically for people who are looking to get started with stock investing and want to get the right knowledge based on their skill level. So, don't delay another minute. Find out how you can become a successful trader in the world of options contracts. You will find it not only to be easy to learn but truly rewarding to see yourself putting practical information to work for you. Best of all, you don't need an advanced degree in business or finance. Everything you need to get started is right here. Don't wait any longer. Let's get started on making the most of the opportunities the stock market has to offer, Click the BUY NOW Button to Get Your Copy!

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Are you Interested in Learning Some of the Best Machine Learning Algorithms that Will Help you to See Some Amazing Results and Actually be Able to sort Through your Data? › › › keep reading › › › This guidebook is going to take some time to look at how to handle working with a Python machine learning project. We will explore all of the different parts that need to come with this, including some of the different algorithms that we are able to explore and use to help sort some

of our data. This is a crucial step before diving further into machine learning with Python as this will give you a bird's eye view of what possible algorithm to use and what is best suited for your situation and what you want to do with the findings. There are so many different algorithms and more that can be used and figuring out which one is going to help with your analysis and ensure that you are able to get the results that you want is going to be tough. With the help of this guidebook, you can finally get started on your data analysis process, and figuring out the best steps to take to handle your data with the right algorithm, in no time. There is so much that we can explore when it comes to Python machine learning, and we are going to dive right into all of it. Some of the topics that we are going to discuss in this guidebook about. You will learn: The basics of machine learning and why it is so important to learn. The importance of data and the different types of data that show up in Python and how to use these in machine learning. Some of the supervised learning algorithms that work with regressions, including polynomial regression, gradient descent, linear regression, and cost function. How to work with regularization and avoid the issue of overfitting. Some of the best-supervised learning algorithms of classification, including Logistic Regressions. How to work with non-linear classification models, like SVMs and neural networks, for your needs. The different validation and optimization techniques that you can use to make sure your algorithms respond the way that you want them to. Moving on to some unsupervised machine learning that we can use, and the best clustering algorithms along the way. A look at the Principal Component Analysis and the Linear Discriminant Analysis and how they compare to one another. A lot can come into play when you work with machine learning, and when we combine the Python language, we would be able to create some of the best data analysis that we need. Combining both machine learning and Python will open doors of opportunity for us when it comes to improving or adding that little extra in our process. When you are ready to learn more about Python machine learning, scroll the top of the page and select »» BUY NOW ««.

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learn those strategies. It took me a lot of time and effort to incorporate the secrets that would ultimately shape my entire language learning process! And now, I'm willing to share those secrets with you. I wrote this big box set for a reason. I wrote this book to show you HOW you can learn Spanish FASTER than you ever thought possible. I wrote it to show you how you can set apart from the average path and go the whole way instead. I may not know you, but I certainly know something about you: both you and me are alike. Whether you are just starting to get in touch the Spanish language, or even if you have already started practicing it, I know you don't settle for average learning methods. I know you want something better. You won't stop until you fully grasp its essence. Until you fully grasp the path of simplicity. You won't stop until you truly achieve all you can achieve. And guess what? That's precisely what we will go for on this book! Hey, I'm not saying you should throw away all the stuff you have already incorporated. You don't have to do that, trust me. My approach to language learning is different. I'm a modern person. I'm aware of the world we live in, and I don't want to turn things upside down, and I guess neither do you. So, don't worry! I've got you covered. We'll go through the right strategies and we will APPLY them into our daily modern lives. Because that's what's all about, isn't it? It's about improving our lives. Improving our focus. Improving our happiness and productivity. I'm glad to be here to share this amazing journey with you! My goal is simple. I will help you incorporate the right strategies to learn Spanish FAST. I will help you simplify your path to learning a new tongue. Sounds too difficult? It's not. I will show you how. I will take you through a step by step guide where you simply can't get lost! Together, we will go to the roots of Language and you will end up learning Spanish in NO TIME! Here Is A Preview Of What You'll Learn Inside... The Basics of Spanish Grammar Words, Expressions, Pronunciation Simple Tenses, Regular vs Irregular, Present, Future, Past Crash Course on Social Skills In Spanish Chatting in Spanish (Conversations, Small Talk & More) Travelling Around (Directions, Transport, Having FUN!) Useful Phrases & Expressions Eating, Drinking, Culture & Entertainment Business Matters - Workplace, Doing Business, Trips Numbers (Time, Money, Counting) Household Expressions & Phrases Making The Most Out of Your Trip to Spain Conclusion: Congratulations, You're Now Officially Are a Spanish Speaker! Much, much more! What Are You Waiting For? Get "Spanish Box Set - 3 Books In 1 Box" Right Now Before the Price Goes Up! Get Your Copy Right Now!

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Are you new to software development? Are you curious about learning what artificial intelligence is? Do you want to master the Python programming language? Do You want to Learn Computers for Beginners? Well, this book is your best choice! There may be a lot of different languages that you can work with when it comes to the coding that you would like to work with, but none are going to provide you with the benefits that you are working with. This language is so popular and used so often that there are a few different operating systems that already have some version of Python found on them for you to use. This can make it easier to get some of the coding done that you would like, and will ensure that you will get the best benefits out of it in no time. ???This book covers:??? ? What Is Python and His History and Why Learn Python ? Getting Started with Python ? Variables and Operators ? Basic Operators ? Data Types in Python ? Functions and Modules ? Defining Your Functions ? Working with Your Module ? Working with Files ? Using A for Loop to Write and Read Text Files And so much more!! The Python language is more natural to read: If you take a look through some of the codes that we have later on in this guidebook, you will find that this is an easy task to read through some of the different parts of the law. Even if you have not been able to work with this language before, you will still be able to look at some of the systems and notice that you recognize the parts as well. The program is open source. This means that you won't have to worry about someone taking over the code and ruining it. It also means that the original Python is free and available to anyone who wants to download it. This guidebook is going to take the Python language to the next level and look at some of the more advanced features that you can enjoy with this kind of writing, but when you look at some of the codes, even some of these that are more advanced than what you may have worked with in the past, you will find that it is easy to write some codes that have a lot of power, and even easy to complete your projects. If you are curious about this world, THEN CLICK TO GET YOUR COPY NOW!

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Have you always wanted to learn computer programming but you're worried it will take too long? Would you like to automate something simple with your PC but you don't know how to do it? Or maybe you know other programming languages and are interested in learning Python quickly? As a beginner you might think that programming is difficult and the possibility to give up before mastering it could be high... So, if you have a project to develop you could think on hiring a programmer to shorten the time. This may seem like a good idea but it is certainly very expensive. Otherwise you could waste your time pursuing tutorials online. The best solution is to follow a complete programming manual with hands-on

projects and practical exercises. What you will find inside and a quick overview of the main topics: ? Why Python is considered the best programming language for a beginner ? The most common mistakes to avoid when you start programming ? BOOK 1: PYTHON PROGRAMMING - The 7 built-in functions to make your life easier while coding a software program - The program you need to develop your first own application ? BOOK 2: PYTHON MACHINE LEARNING - The algorithms that will make your life easier - The 2 libraries you need implementing to develop the desired ML models ? BOOK 3: PYTHON DATA SCIENCE - 3 actions required to gain insights from big data - A simple method to implement predictive analytics ? Some projects to write Python codes in less than a week ? Quizzes at the end of every chapter to review immediately what you've learned Why is this book different? Computer Programming Academy structured these guides as a course with seven chapters for seven days with special exercises for each section. This protocol, tested on both beginners and people who were already familiar with coding, takes advantage of the principle of diving, concentrating learning in one week. The result? The content of the course was learned faster and remembered longer. Even if you're completely new to programming in 2020 or you are just looking to widen your skills as programmer this book is perfect for you. Now's the best time to begin learning Python... click the "BUY NOW" button and get started! Apps! Websites! Rubber Ducks! Naked Ninjas! This book has everything. If you want to get started in user experience design (UX), you've come to the right place: 100 self-contained lessons that cover the whole spectrum of fundamentals. Forget dry, technical material. This book—based on the wildly popular UX Crash Course from Joel Marsh's blog The Hipper Element—is laced with the author's snarky brand of humor, and teaches UX in a simple, practical way. Becoming a professional doesn't have to be boring. Follow the real-life UX process from start-to-finish and apply the skills as you learn, or refresh your memory before the next meeting. UX for Beginners is perfect for non-designers who want to become designers, managers who teach UX, and programmers, salespeople, or marketers who want to learn more. Start from scratch: the fundamentals of UX Research the weird and wonderful things users do The process and science of making anything user-friendly Use size, color, and layout to help and influence users Plan and create wireframes Make your designs feel engaging and persuasive Measure how your design works in the real world Find out what a UX designer does all day

Options Trading for Beginners: Here's a Perfect Solution If You Want to Generate Passive Income and Work on Your Own Terms Would you like to: ? Get another stream of income? ? Generate wealth on your own terms? ? Ensure your retirement and financial freedom? If so, it's time to look into options trading! Whether you want to dive deep into trading and leave your 9-to-5, find another stream of passive income, or get a job from home, options trading is a perfect choice. Plus, options trading and smart investments aren't reserved just for the Fortune 500. In fact, with just a bit of knowledge

and the right tools, you too can start your wealth journey! This book covers all the basics of options trading that will get you started right away. It also covers advanced strategies for making a profit in the market and getting a great return on investment. It will show you how to make money regardless of the market changes, with minimal risks and maximum profits. Here's what you'll learn over the course of this beginner's guide: ? Options Trading: What it is, how it works, benefits and disadvantages, different options types ? Getting Started: Options trading exchanges, setting up an account, how to place and fill orders ? Combining Options: Limit your position risk and combine stocks with options like a pro ? Best Practice Strategies: How to options trade using different strategies that ensure success ? Trading Mindset: How to make a profit-driven plan and avoid common trading mistakes ? AND SO MUCH MORE! This book is the perfect guide to set you up for success in the market. From the very first steps to advanced investment and trading strategies, you will learn everything there is to know about options trading. Even if you've never done trading or investments before, this book will help you turn a profit and ensure a passive income that makes you financially free!

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