

Esp8266 With Dht11 To Alexapi To Dashboards

Learning JavaScript RoboticsPackt Publishing Ltd

This book will take you for a ride into the amazing world of Python. Buy this book if you're ready to dive in and try out the practical codes I've written for you. Here are the topics we'll explore together: Python Data Types Python Lists Python Tuples Python Dictionaries Python for and while Loops Python Conditional Statements Python Functions Python Object-Oriented Programming Tips, Tricks, and Secrets to Python Coding Success If you are not ready to challenge yourself and be a Python programmer, you should not add this book to your cart. You shouldn't spend your hard-earned money if you lack the will to do the hard work of learning Python. Many people buy dozens of books and leave them in a folder on their smart device or leave them to catch dust on their book shelf. But if you want to learn useful tips and tricks to become a Python programming success, and you're ready to dive right in, grab your copy today!

Foundation HTML5 Animation with JavaScript covers everything that you need to know to create dynamic scripted animation using the HTML5 canvas. It provides information on all the relevant math you'll need, before moving on to physics concepts like acceleration, velocity, easing, springs, collision detection, conservation of momentum, 3D, and forward and inverse kinematics. Foundation HTML5 Animation with JavaScript is a fantastic resource for all web developers working in HTML5 or switching over from Flash to create standards-compliant games, applications, and animations that will work across all modern browsers and most mobile devices, including iPhones, iPads, and Android devices. You will learn how to utilize the amazing animation and physics-based code originally created by author Keith Peters in his hugely successful Foundation ActionScript Animation in all of your HTML5 applications. In no time at all, you'll understand the concepts behind scripted animation and also have the ability to create all manner of exciting animations and games.

Learn to build software and hardware projects featuring the Raspberry Pi! Congratulations on becoming a proud owner of a Raspberry Pi! Following primers on getting your Pi up and running and programming with Python, the authors walk you through 16 fun projects of increasing sophistication that let you develop your Raspberry Pi skills. Among other things you will: Write simple programs, including a tic-tac-toe game Re-create vintage games similar to Pong and Pac-Man Construct a networked alarm system with door sensors and webcams Build Pi-controlled gadgets including a slot car racetrack and a door lock Create a reaction timer and an electronic harmonograph Construct a Facebook-enabled Etch A Sketch-type gadget and a Twittering toy Raspberry Pi Projects is an excellent way to dig deeper into the capabilities of the Pi and to have great fun while doing it.

Design, build, and program your own remarkable robots with JavaScript and open source hardware About This Book Learn how to leverage Johnny-Five's Read, Eval, Print Loop, and Event API to write robot code with JavaScript Unlock a world of exciting possibilities by hooking your JavaScript-programmed robots up to the internet and using external data and APIs Move your project code from the Arduino Uno to a multitude of other robotics platforms Who This Book Is For If you've worked with Arduino before or are new to electronics and would like to try writing sketches in JavaScript, then this book is for you! Basic knowledge of JavaScript and Node.js will help you get the most out of this book. What You Will Learn Familiarise yourself with Johnny-Five Read, Eval, and Print Loop (REPL) to modify and debug robotics code in real time Build robots with basic output devices to create projects that light up, make noise, and more Create projects with complex output devices, and employ the Johnny-Five API to simplify the use of components that require complex interfaces, such as I2C Make use of sensors and input devices to allow your robotics projects to survey the world around them and accept input from users Use the Sensor and Motor objects to make it much easier to move your robotics projects Learn about the Animation API that will allow you to program complex movements using timing and key frames Bring in other devices to your Johnny-Five projects, such as USB devices and remotes Connect your Johnny-Five projects to external APIs and create your own Internet of Things! In Detail There has been a rapid rise in the use of JavaScript in recent times in a variety of applications, and JavaScript robotics has seen a rise in popularity too. Johnny-Five is a framework that gives NodeBots a consistent API and platform across several hardware systems. This book walks you through basic robotics projects including the physical hardware builds and the JavaScript code for them. You'll delve into the concepts of Johnny-Five and JS robotics. You'll learn about various components such as Digital GPIO pins, PWM output pins, Sensors, servos, and motors to be used with Johnny-Five along with some advanced components such as I2C, and SPI. You will learn to connect your Johnny-Five robots to internet services and other NodeBots to form networks. By the end of this book, you will have explored the benefits of the Johnny-Five framework and the many devices it unlocks. Style and approach This step-by-step guide to the Johnny-Five ecosystem is explained in a conversational style, packed with examples and tips. Each chapter also explores the Johnny-Five documentation to enable you to start exploring the API on your own.

Hands-on Scala teaches you how to use the Scala programming language in a practical, project-based fashion. This book is designed to quickly teach an existing programmer everything needed to go from "hello world" to building production applications like interactive websites, parallel web crawlers, and distributed systems in Scala. In the process you will learn how to use the Scala language to solve challenging problems in an elegant and intuitive manner.

[Copyright: 4680711e17efe11c17d55ff2be38334c](#)