Xbee Ieee Programming Ebook Agus Kurniawan

Python and SQL Server DevelopmentInternet of Things Projects with ESP32Python and SQLite DevelopmentLearning AWS IoTCoral Dev Board I/O Programming Using PythonArduino Programming with .NET and SketchIntellectual Property - Global Perspective Advances and ChallengesIntelligent Computing & OptimizationMongodb Succinctly3500 Plant Species of the Botanic Gardens of IndonesiaSmart Internet of Things ProjectsCircuitPython Development WorkshopArduino Uno: A Hands-On Guide for BeginnerArduino Pro Micro A Hands-On Guide for BeginnerGetting Started with Windows 10 IoT Core for Raspberry Pi 3PHP and SQL Server Programming By ExampleGetting Started with Arduino and MatlabPHP and PostgreSQL Programming By ExampleGetting Started With MicroPython Development for Raspberry Pi PicoESPectro32 Technical Workshop Agus Kurniawan Agus Kurniawan Agus Kurniawan Agus Kurniawan Agus Kurniawan Agus Kurniawan Appavoo Umamaheswari Pandian Vasant Agus Kurniawan Agus Kurniawan Agus Kurniawan Agus Kurniawan Agus Kurniawan Agus Kurniawan Agus Kurniawan Agus Kurniawan Agus Kurniawan Agus Kurniawan Agus Kurniawan

Python and SQL Server Development Internet of Things Projects with ESP32 Python and SQLite Development Learning AWS IoT Coral Dev Board I/O Programming Using Python Arduino Programming with .NET and Sketch Intellectual Property - Global Perspective Advances and Challenges Intelligent Computing & Optimization Mongodb Succinctly 3500 Plant Species of the Botanic Gardens of Indonesia Smart Internet of Things Projects CircuitPython Development Workshop Arduino Uno: A Hands-On Guide for Beginner Arduino Pro Micro A Hands-On Guide for Beginner Getting Started with Windows 10 IoT Core for Raspberry Pi 3 PHP and SQL Server Programming By Example Getting Started with Arduino and Matlab PHP and PostgreSQL Programming By Example Getting Started With MicroPython Development for Raspberry Pi Pico ESPectro32 Technical Workshop *Agus Kurniawan Agus Kurniawan Agus Kurniawan Agus Kurniawan Agus Kurniawan Agus Kurniawan Appavoo*

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this book covers how to develop python programs with sql server database and azure sql server program samples and scenarios are provided to accelerate your learning speed the following is a list of highlight topics in this book setting up development environment getting started python and sql server crud operations working with image and blob data transaction stored procedures working with azure sql database and python

create and program internet of things projects using the espressif esp32 key features getting to know the all new powerful eps32 boards and build interesting internet of things projects configure your esp32 to the cloud technologies and explore the networkable modules that will be utilised in your iot projects a step by step guide that teaches you the basic to advanced iot concepts with esp32 book descriptionesp32 is a low cost mcu with integrated wi fi and ble various modules and development boards based on esp32 are available for building iot applications easily wi fi and ble are a common network stack in the internet of things application these network modules can leverage your business and projects needs for cost effective benefits this book will serve as a fundamental guide for developing an esp32 program we will start with gpio programming involving some sensor devices then we will study esp32 development by building a number of iot projects such as weather stations sensor loggers smart homes wi fi cams and wi fi wardriving lastly we will enable esp32 boards to execute interactions with mobile applications and cloud servers such as aws by the end of this book you will be up and running with various iot project based esp32 chip what you will learn understand how to build a sensor monitoring logger create a weather station to sense temperature and humidity using esp32 build your own w ifi wardriving with esp32 use ble to make interactions between esp32 and android understand how to create connections to interact between esp32 and mobile applications learn how to interact between esp32 boards and cloud servers build an iot application based esp32 board who this book is for this book is for those who want to build a powerful and inexpensive iot projects using the esp32 also for those who are new to iot or those who already have experience with other platforms such as arduino esp8266 and raspberry pi

this book is designed for anyone who wants to learn sqlite database programming python 3 the book covers database programming for sqlite with the following highlight topics setting up development environment setting started python and sqlite sqlite shell crud create read update delete operations working with image and blob data transaction python sqlite and pandas

learn to use aws iot services to build your connected applications with the help of this comprehensive guide key features gets you started with aws iot and its functionalities learn different modules of aws iot with practical use cases learn to secure your iot communication book descriptionthe internet of things market increased a lot in the past few years and iot development and its adoption have showed an upward trend analysis and predictions say that enterprise iot platforms are the future of iot aws iot is currently leading the market with its wide range of device support sdks and versatile management console this book initially introduces you to the iot platforms and how it makes our iot development easy it then covers the complete aws iot suite and how it can be used to develop secure communication between internet connected things such as sensors actuators embedded devices smart applications and so on the book also covers the various modules of aws aws greengrass aws device sdks aws iot platform aws button aws management consoles aws related cli and api references all with practical use cases near the end the book supplies security related best practices to make bi directional communication more secure when you ve finished this book you ll be up and running with the aws iot suite and building iot projects what you will learn implement aws iot on iot projects learn the technical capabilities of aws iot and iot devices create iot based aws iot projects choose iot devices and aws iot platforms to use based on the kind of project you need to build deploy aws greengrass and aws lambda develop program for aws iot button visualize iot aws data build predictive analytics using aws iot and aws machine learning who this book is for this book is for anyone who wants to get started with the aws iot suite and implement it with practical use cases this book acts as an extensive guide on completion of which you will be in a position to start building iot projects using aws iot platform and using cloud services for your projects

this book is designed for everyone who wants to learn i o programming on coral dev board all implementation programs are

using python with approaching step by step the following is a highlight of book content preparing coral dev board environment gpio programming uart programming pwm programming spi programming i2c programming

leverage net and sketch in your arduino development implementation and integrate it into your net program there are many arduino models and compatible shields that can be used in arduino boards integrating between an arduino platform and net technology or sketch can produce more advantages arduino programming using net and sketch shows readers how to do so with practical arduino projects such as preparing a development environment performing sensing and actuating with external devices implementing windows remote arduino and building a simple iot program use this quick reference to learn the basics of the arduino platform for multiple models and start your arduino programming in net and sketch today what you ll learn learn the basics of the arduino platform prepare and set up an arduino development environment develop an arduino program using net and sketch implement windows remote arduino build a simple iot program who this book is for net and sketch developers who want to learn arduino programming

the developmental status of any country is based on its intellectual property ip in recent years intellectual property rights ipr have expanded far beyond what was previously imagined the main purpose of ip law is to encourage the creation of a wide variety of intellectual goods intellectual property global perspective advances and challenges discusses issues recent developments and solutions in ip written by researchers from all over the world chapters address such topics as copyright traditional cultural expressions plagiarism the role of ip in culture and gender diversity ip and blockchain and much more

this book includes the scientific results of the fourth edition of the international conference on intelligent computing and optimization which took place at december 30 31 2021 via zoom the conference objective was to celebrate compassion and wisdom with researchers scholars experts and investigators in intelligent computing and optimization worldwide to share knowledge experience innovation marvelous opportunity for discourse and mutuality by novel research invention and creativity this proceedings encloses the original and innovative scientific fields of optimization and optimal control renewable energy and sustainability artificial intelligence and operational research economics and management smart cities and rural planning meta

heuristics and big data analytics cyber security and blockchains iots and industry 4 0 mathematical modelling and simulation health care and medicine

in mongodb succinctly author agus kurniawan explains the essentials of the mongodb database system starting with creating a mongodb database you ll learn how to make collections and interact with their data how to build a console application to interact with binary and image collection data and much more you ll also learn how to integrate mongodb into windows forms asp net and asp net mvc projects download today to bring the high performance and scalability of mongodb to your applications

after approximately 2 years of sheer hard work involving over 120 people we finally managed to complete our monumental task to publish the 1 216 pages book displaying identifying and describing over 3 500 plant species with beautiful and informative photography illustrations this is the first book of its kind in indonesia and perhaps in the world the 3 500 plant species of the botanic gardens of indonesia is the true smart book of the plant world for everybody scientists researchers teachers students hobbyists and just about anybody who loves plants and gardening designed to be easy to use and carry the book offers complete information on more than 3 500 plant species from the collection of the four botanic gardens of indonesia bogor botanic gardens cibodas botanic gardens both located in west java purwodadi botanic gardens east java and eka karya bali botanic gardens these botanic gardens were initially created to acommodate introduced plants that have a commercial potential to indonesia bogor botanic gardens built on 18 may 1817 is for wet lowland species cibodas botanic gardens built on 1 april 1852 for wet highland species purwodadi botanic gardens built on 30 january 1941 for dry lowland species and eka karya bali botanic gardens built on 15 july 1959 for dry highland species from the beginning native plants are also planted and continuously added with new plant species collected during the expeditions to the many islands in the indonesian archipelago the presentation of the plants are divided into sections based on their habitus and genus presented in an alphabetical order so that you can search for the plants that you are looking for in an easy and methodical way the plant species are divided into 11 sections starting from tree shrub palm cycad bamboo fern climber succulent herb aquatic and

orchid so if you are looking for a particular tree go to the tree section and search for the latin name first apart from the basic data of the species you will also be able to find the english and indonesian name of the plant if you are searching for plants that you see in your garden or herbarium look under shrub or herb sections a complete glossary and detailed illustrations of the plant anatomy helps you quickly learn and understand the technical terms used by botanists in describing plant species the book is beautifully illustrated with excellent photographs showing the full view and details of leaves flowers fruit trunks and some the unique features of the plants now you can make a positive identification of the plant species quickly and confidently the book also features a special photography contribution from mme ani yudhoyono who is a concerned environmentalist nature lover and avid photographer who has already published a very special book entitled the colors of harmony a photography journey by ani yudhoyono

discover how to build your own smart internet of things projects and bring a new degree of interconnectivity to your world key features learn how to extract and analyse data from physical devices and build smart iot projects master the skills of building enticing projects such as a neural network autonomous car computer vision through a camera and cloud based iot applications this project based guide leverages revolutionary computing chips such as raspberry pi arduino and so on book descriptioninternet of things iot is a groundbreaking technology that involves connecting numerous physical devices to the internet and controlling them creating basic iot projects is common but imagine building smart iot projects that can extract data from physical devices thereby making decisions by themselves our book overcomes the challenge of analyzing data from physical devices and accomplishes all that your imagination can dream up by teaching you how to build smart iot projects basic statistics and various applied algorithms in data science and machine learning are introduced to accelerate your knowledge of how to integrate a decision system into a physical device this book contains iot projects such as building a smart temperature controller creating your own vision machine project building an autonomous mobile robot car controlling iot projects through voice commands building iot applications utilizing cloud technology and data science and many more we will also leverage a small yet powerful iot chip raspberry pi with arduino in order to integrate a smart decision making system in the iot projects what you will learn implement data science in your iot projects and build a smart temperature controller create

a simple machine learning application and implement decision system concepts develop a vision machine using opencv build a robot car with manual and automatic control implement speech modules with your own voice commands for iot projects connect iot to a cloud based server who this book is for if you are hobbyist who is keen on making smart iot projects then this book is for you you should have a basic knowledge of python

circuitpython is a development framework for embedded system based micropython this book helps you to get started with circuitpython development this book uses adafruit itsybitsy m0 express board for development testing board the following is a list of highlight topics in this book preparing development environment setting up circuitpython gpio programming pwm and analog input working with i2c working with uart working with spi working with dht module

arduino board is a popular board for embedded development this book helps you to get started with arduino uno development several scenario samples are provided to accelerate your learning process the following is highlight topics preparing development environment setting up arduino uno writing and reading digital data serial communication uart pwm and analog input working with i2c working with spi accessing eeprom arduino networking

this book is designed for anyone who wants to learn arduino pro micro development based on atmega32u4 microcontroller the following is a list of highlight topics in this book preparing development environment setting up arduino pro micro writing and reading digital data serial communication uart pwm and analog input working with i2c working with spi accessing eeprom working with dht module

this book helps you to get started with windows 10 iot core for raspberry pi 3 board the following is highlight topic of this book introduction to raspberry pi 3 and windows 10 deploying windows iot core on raspberry pi 3 running and configuring windows 10 iot core hello world led blinking raspberry pi gpio programming working with i2c twi protocol working with spi protocol working with uart

this book provides alternative approach to build php application with windows platform and database sql server it describes how to work with php and sql server and illustrates their use with code examples the last chapter author explains how php to access windows azure sql database toc 1 setup development environment 1 1 system environment 1 2 deploying php on iis 1 3 sql server driver for php 1 4 database sql server 1 5 development tools 2 hello world php and sql server 2 1 connecting to sql server 2 2 creating php 2 3 running 2 4 windows authentication 3 crud operations 3 1 crud operations 3 2 creating data 3 3 reading data 3 4 update data 3 5 deleting data 4 working with image and blob data 4 1 image and blob data 4 2 uploading image 4 3 listing image data 5 transaction 5 1 php and sql server transaction 5 2 demo 6 stored procedures 6 1 stored procedures 6 2 calling stored procedure 6 3 calling stored procedure with parameter 6 4 calling stored procedure with input and output parameters 7 windows azure sql database 7 1 windows azure sql database 7 2 creating windows azure sql database 7 3 connecting to windows azure sql database 7 4 inserting data 7 5 retrieving data

this book was written to help anyone want to get started with arduino and matlab it describes the basic elements of the integration of arduino and matlab using serial port toc 1 preparing development environment 1 1 arduino 1 1 1 arduino uno 1 1 2 arduino leonardo 1 1 3 arduino mega 2560 1 1 4 arduino due 1 2 electronic components 1 2 1 arduino starter kit 1 2 2 fritzing 1 2 3 cooking hacks arduino starter kit 1 2 4 arduino sidekick basic kit 1 3 matlab 1 4 arduino software 1 5 testing 2 hello world 2 1 arduino world 2 1 1 arduino hardware driver on windows 8 2 1 2 simple testing 2 2 arduino and matlab 2 3 testing for arduino and matlab 3 sensor matlab 3 1 sensor devices 3 2 reading sensor 3 3 publishing sensor data 4 led controller 4 1 led controller device 4 2 arduino implementation 4 3 controlling device from matlab 5 button and switch 5 1 getting data from button and switch 5 2 arduino implementation 5 3 executing command to matlab

this book helps you to get started how to build php programs which access postgresql server the following is highlight topics setting up development environment hello world php and postgresql crud operations working with image and blob data transaction stored procedures

this book is designed for anyone who learns how to get started with micropython development for raspberry pi pico the book

covers raspberry pi pico with python the following is a list of highlight topics preparing development environment setting up micropython gpio programming pwm and analog input working with i2c working with uart working with spi working with temperature and humidity dht module building iot application over wifi reading sensors on raspberry pi pico from android over bluetooth working with oled i2c display working with file system working with gps u blox module

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