Lessons for Adeept 46 Module Ultimate Sensor Kit for Raspberry Pi BMP180, DHT11 with C and Python code with PDF

Lessons

- About the Raspberry Pi
- Raspberry Pi Pin Numbering Introduction
- Raspberry Pi GPIO Library Introduction
- How to Use wiringPi and RPi.GPIO
- Lesson 1 Blinking LED
- Lesson 2 Controlling an LED by Button
- Lesson 3 Controlling an RGB LED by PWM
- Lesson 4 Active Buzzer
- Lesson 5 Passive Buzzer
- Lesson 6 Controlling an LED by Hall Sensor
- Lesson 7 Controlling an LED by Reed
- Lesson 8 How to Use a Relay
- Lesson 9 Laser Transmitter
- Lesson 10 Laser Receiver
- Lesson 11 How to Control a DC Motor
- Lesson 12 Controlling an LED by Limit Switch
- Lesson 13 Controlling an LED by Vibration Switch
- Lesson 14 Rotary Encoder
- Lesson 15 Controlling an LED by Touch Button
- Lesson 16 Movement Detection Based on PIR
- Lesson 17 Flame Sensor
- Lesson 18 Line Finder
- Lesson 19 Measuring the Temperature via DS18B20
- Lesson 20 Temperature & Humidity Sensor – DHT-11
- Lesson 21 Measuring the Distance
- Lesson 22 Acceleration Sensor – ADXL345
- Lesson 23 Barometric Pressure Sensor – BMP180
- Lesson 24 Dot-matrix Display
- Lesson 25 LED Bar Graph
- Lesson 26 How to Drive the Segment Display

- Lesson 27 Potentiometer
- Lesson 28 Photoresistor
- Lesson 29 Thermistor
- Lesson 30 Water Level Detection
- Lesson 31 Soil Moisture Detection
- Lesson 32 MQ-2 Gas Sensor
- Lesson 33 Sound Sensor
- Lesson 34 PS2 Joystick
- Lesson 35 LCD1602 Display
- Lesson 36 How to Make a Simple Thermometer(1)
- Lesson 37 How to Make a Simple Thermometer(2)
- Lesson 38 Make a Distance Measuring Device
- Lesson 39 How to Make a Simple Voltmeter(1)
- Lesson 40 How to Make a Simple Voltmeter(2)