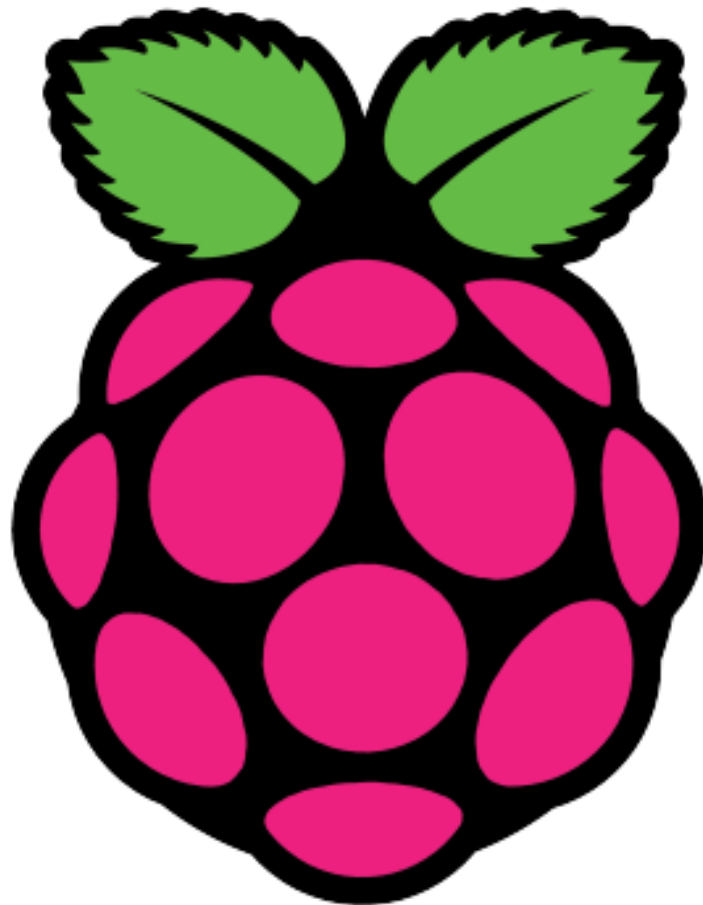# "Raspberry pi course"

ENG: AHMED MUBARAK

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SESSION NO."9"

- # BLYNK APP
- # SONOFF
- # ALEXA ECHO DOT

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BLYNK APP

SETUP BLYNK LIBRARY TO RASPBERRY PI

1

Download Blynk app

Blynk app for iOS and Android is the easiest way to build your own mobile app that work with the hardware of your choice.

No iOS or Android coding required.

2

Install Blynk Library

Blynk Library is an extension that runs on top of your hardware application. It handles all the connection routines and data exchange between your hardware, Blynk Cloud, and your app project.

- C++, C#
- JavaScript
- Python, MicroPython
- HTTP RESTful API
- Node.js
- Lua
- OpenWrt
- MBED
- Node-RED
and others

3

Connect hardware

To get your hardware online and connect it to Blynk Cloud, you would need a device Authentication Token.

Once you download the app you will be able to generate Auth Token for every device.

4

Enjoy Blynking

After your hardware is connected spend some time learning Blynk basics. It will help you to easily build new projects or integrate Blynk into your existing project.

We prepared a lot of examples and tutorials to get you started

- ### Download Blynk App :
  Android: https://play.google.com/store/apps/details?id=cc.blynk&hl=en_US
  Ios: https://itunes.apple.com/us/app/blynk-iot-for-arduino-esp32/id808760481?mt=8

1. **Create New Account in Blynk app**

Account is needed to save your projects and provide access from any smartphone you have.

👉Use a valid email address as it will be later used often

2. Create New Project
• Create New Project and choose the hardware you use.
• If you can't find the hardware you use – select Generic Board
• Choose what type of connectivity you use?
• Choose Dark or Light UI interface

3. Get Auth Token
Check your inbox to see if you get an email from Blynk with the Auth Token. You will need it later

- **Install Blynk Library on your raspberry and run it**
- **sudo apt-get install git-core**
- **git clone https://github.com/blynkkk/blynk-library.git**
- **cd blynk-library/linux**
- **ls**
- **make clean all target=raspberry**
- **./build.sh raspberry**
- **sudo ./blynk --token=……………..   (REPLACE ………………. BY YOUR AUTH TOKEN)**

ALEXA ECHO DOT RUN WITH SONOFF

AND BLYNK APP USING RASSPBERY

THIS IS ONLY PRACTICAL

With my best wishes:

ENG : AHMED MUBARAK