[Embedded and IoT]

MQTT with Arduino

- Download Library PubSubClient
- https://github.com/knolleary/pubsubclient

Getting Started with NodeMCU

- Download Driver for NodeMCU
- https://www.silabs.com/products/development-tools/software/usb-to-uart-bridge-vcp-drivers

- Install Board Manager
- http://arduino.esp8266.com/stable/package_esp8266com_index.json

Blynk with NodeMCU

- Install library
- https://www.blynk.cc/getting-started

Firebase with NodeMCU

- Install library
- https://github.com/firebase/firebase-arduino

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Getting Started with Raspberry Pi

- Command to Expand file system and Enable SSH
- $sudo raspi-config

- Command to Config static IP Address
- $sudo nano /etc/dhcpcd.conf

  interface eth0
  static ip_address=192.168.1.xxx
  static routers=192.168.1.x
  static domain_name_servers=8.8.8.8

- Command to Install library paho-mqtt
- $sudo apt-get update
- $sudo apt-get install python-pip
- $pip install paho-mqtt

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- Command to Install MQTT Broker
- $wget http://repo.mosquitto.org/debian/mosquitto-repo.gpg.key
- $sudo apt-key add mosquitto-repo.gpg.key
- $cd /etc/apt/sources.list.d/
- $sudo apt-get update
- $sudo apt-get install mosquitto
- $sudo apt-get install mosquitto-clients