

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light green color. They are positioned diagonally, with the blue one partially covering the green one.

# Home Automation with ESP8266

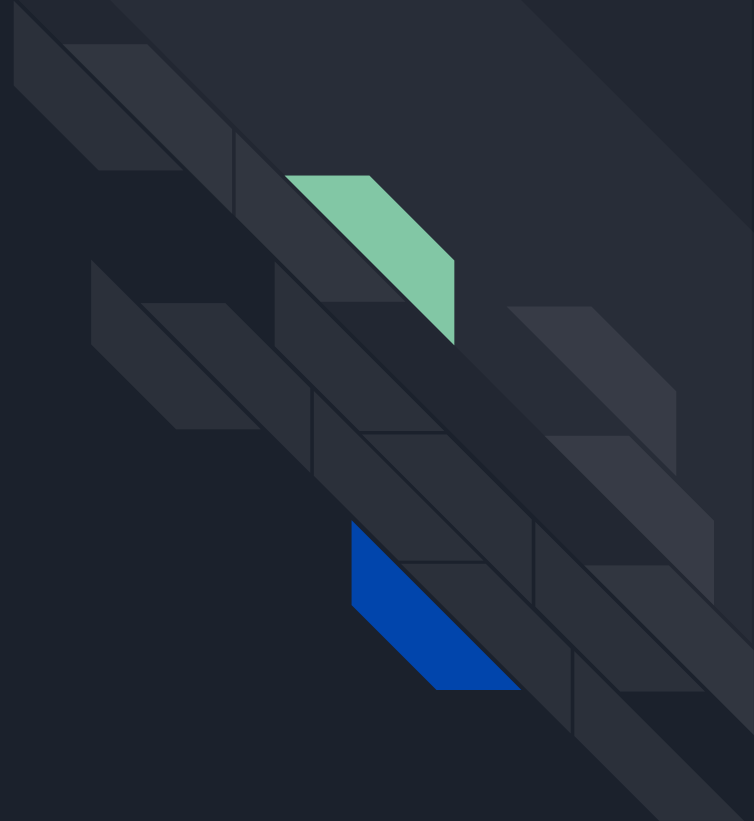
Jayant Pahuja

Live Demo



# Prerequisites

- Familiarity with C





# Take Outs

- Push in the right direction
- NodeMCU ESP8266
- MQTT
- Adafruit Library for MQTT
- IFTTT
- Relays



# Overview

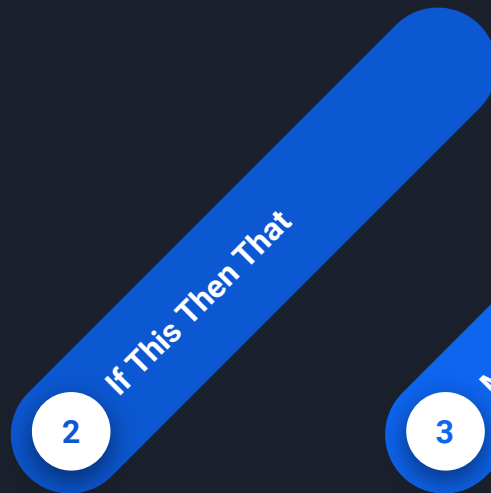
Google Assistant

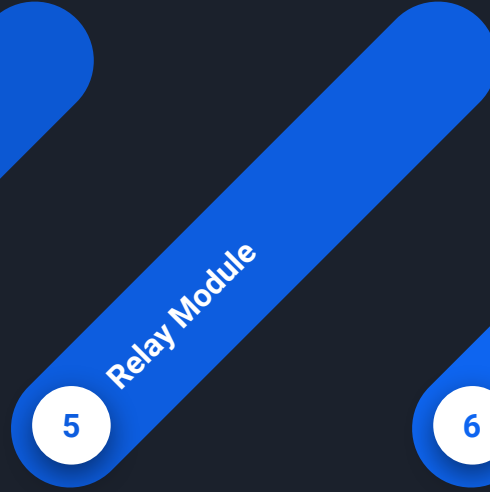
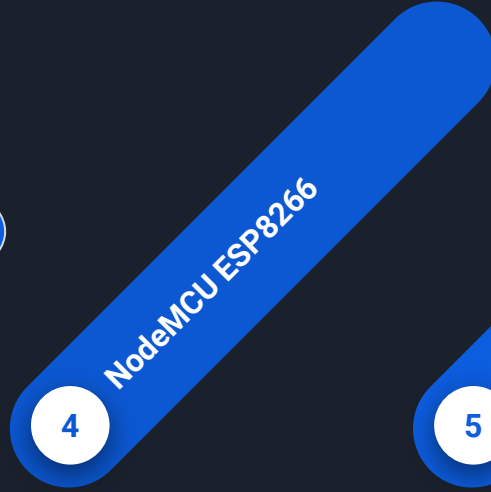


Intermediate Stuff



Switching Device






MQTT

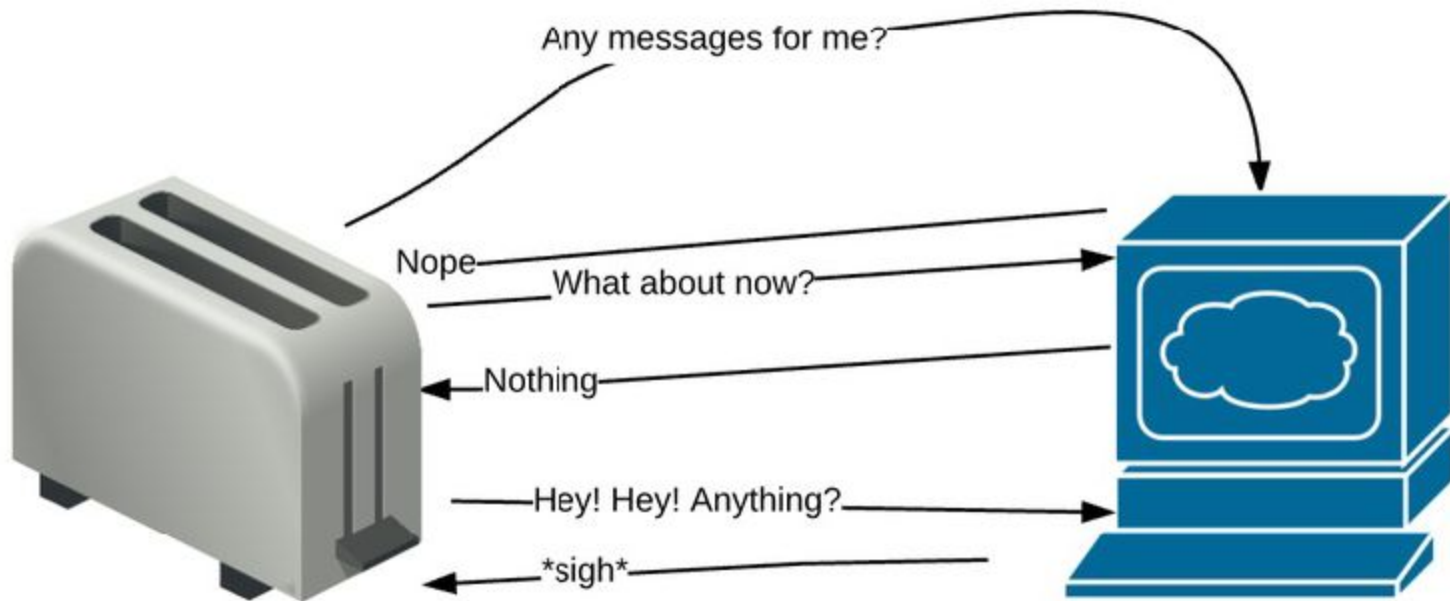


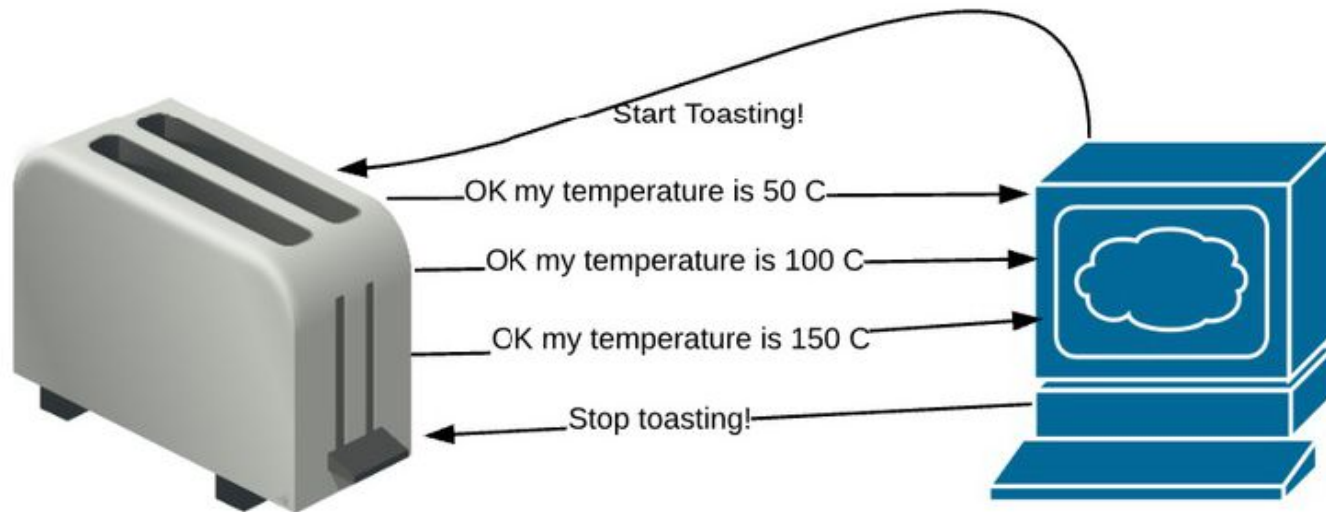


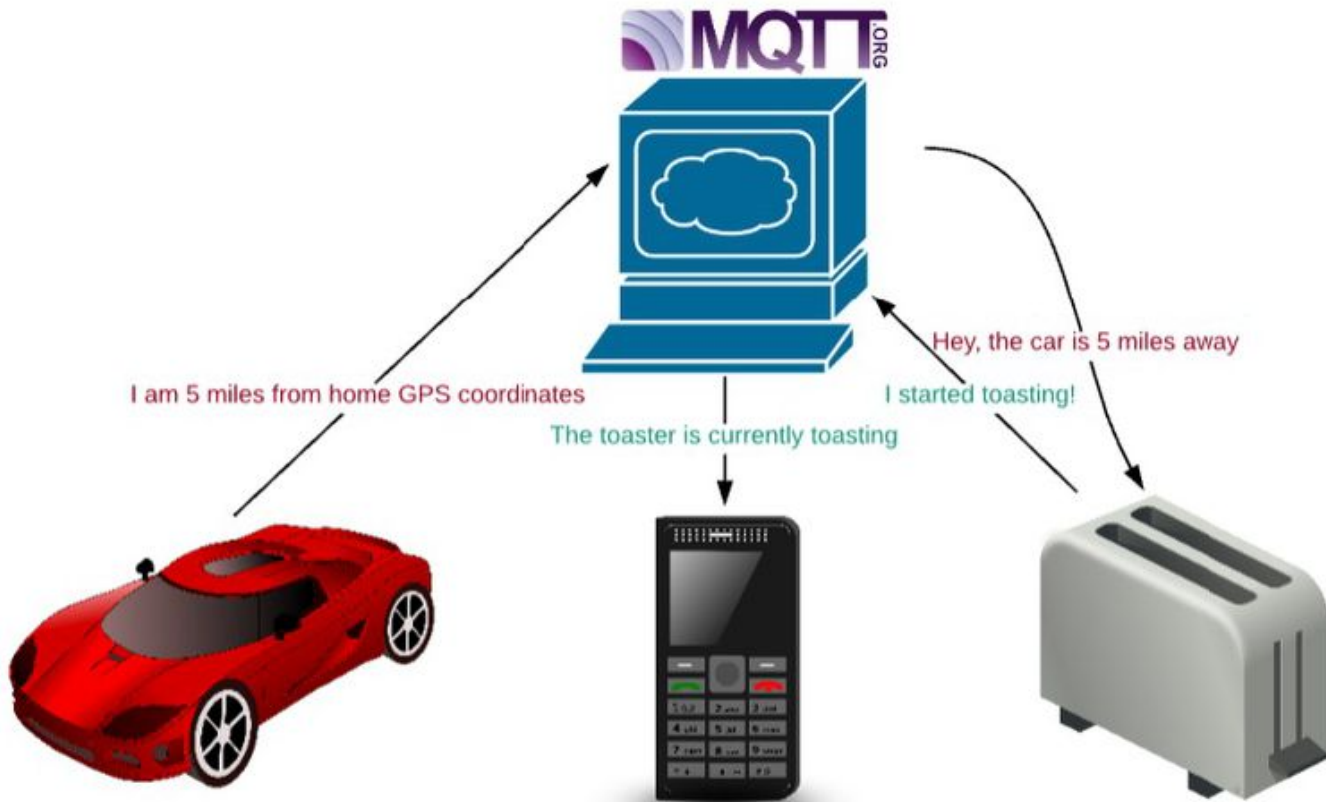


# MQTT (Message Queuing Telemetry Transport)

- A lightweight protocol.
- Simple protocol
- No Overhead









# MQTT Terminology

## **Publisher**

Which send the data to the MQTT Broker



## **MQTT Broker**

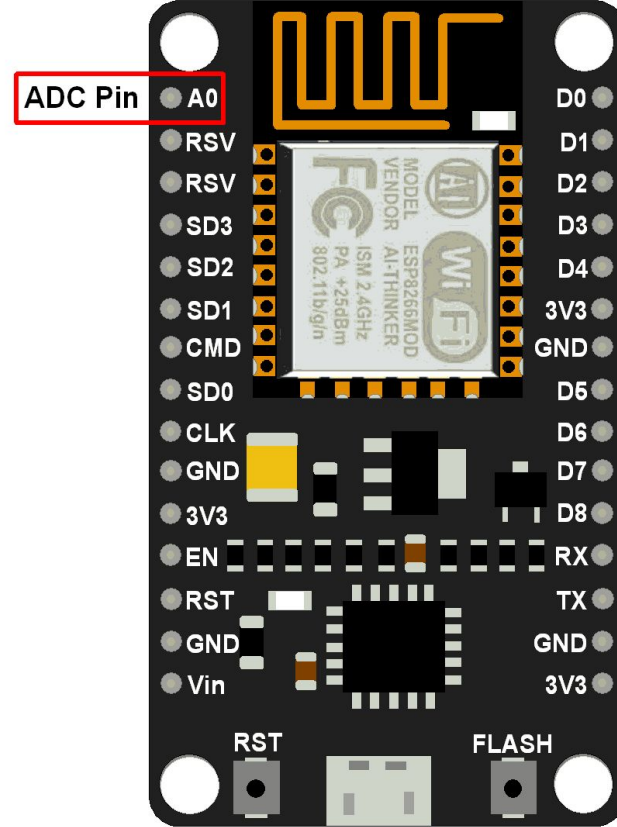
Whenever the Broker receives the new data it sends the data to the subscriber of that feed



## **Subscriber**

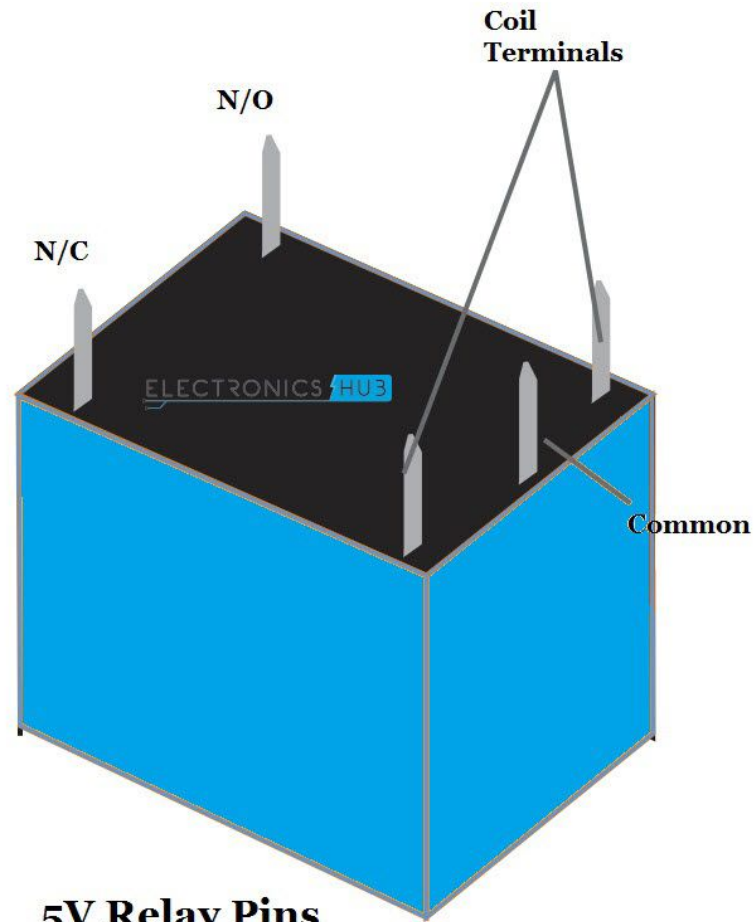
A subscriber subscribes to a feed and receives the data from the Broker

# NodeMCU ESP8266



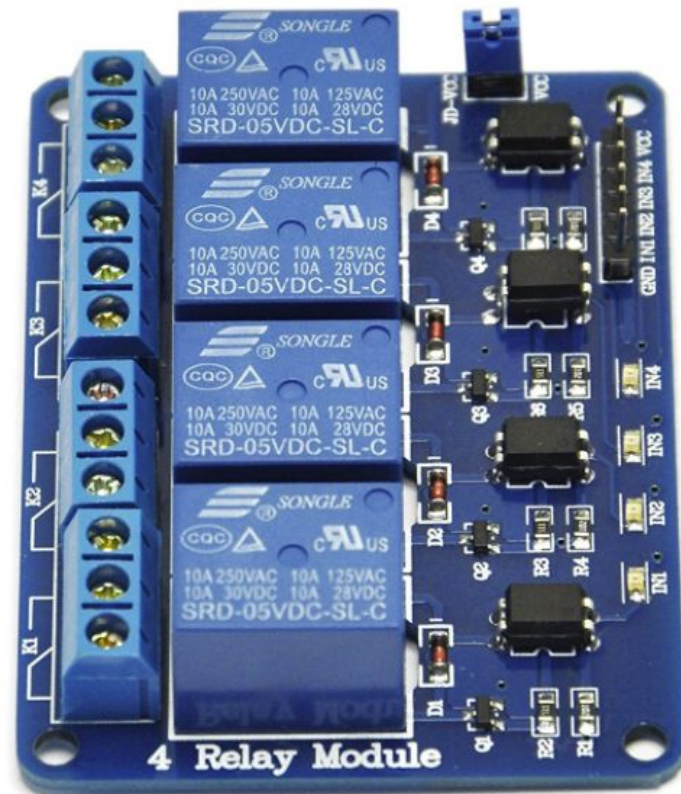
# Relays





**5V Relay Pins**





Programming





Code and Slides available at :



Thank You

