**AIR QUALITY MANAGEMENT-PYHTON CODE FOR ESP32**

**IMPORTING MODULES**



importing the required modules is the first step.

**CONFIGURATING WIFI , GPIO,DHT22**



THINK SPEAK is a api that allows you to aggregate, visualize and analyze live data streams in the cloud.

DHT is a humidity sensor used to measure the on-time humidity level.

**CONNECT YOUR ESP32 TO WIFI**



the esp32 requires network to complete the applications needed.

**READ THE DATA FROM THE SENSORS**



reading the measured data from the sensor using the measure() function.

**PUBLISH THE DATA TO THE API**



The output is uploaded to the thinkspeak api.



Conclude the air quality.Then set the timer to check the air quality again.



above is the picture for the esp32 and the sensor and led connection.



and this is the output