Connect to WIFI

Connect to Sensors

Blink until WIFI connection is successful

Serial Print in a new Line 'Wi-Fi Connected!' when it connects to a Receiver Device.

Access the Firebase database and establishing it as a 'HOST'.

Run in loop(

read Relative Humidity and functionalising it as a two point decimal value.

read Temperature in Celsius and functionalising it as a two point decimal value.

Read the Rain Sensor Data

Write values to the Google Fire Database

Serial print temperature

Serial print humidity

 if (not raining)

 (

  Turn-on LED

  write to the Google Fire Database.

  Serial printing Not raining

)

 else

 (

  Turnoff LED

  Write to the Google Fire Database

  Serial print Raining

)

 if(error in writing to firebase)

 (

  Serial print error and error code.

  Blink LED 4 times with 500 milliseconds gap if error in writing in Firebase

)

return to start of loop

)