IOT ASSIGNMENT-2

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PYTHON CODE FOR TEMPERATURE AND HUMIDITY VALUES(GENERATED WITH RANDOM FUNCTION TO A VARIABLE) AND WRITE A CONDITION TO CONTINUOUSLY DETECT ALARM IN CASE OF HIGH TEMPERATURE.

CODING:

import random

temp = random.randint(30,150)

hum = random.randint(40,100)

print("generated temperature:",temp)

print("generated humidity:",hum)

if (temp > 60) and (hum > 55):

    print("Alarm ON, both temperature and humidity is higher")

elif(temp < 60)  and (hum < 55):

    print("Alarm OFF, both temperature and humidity is lower")

elif (temp > 60) or (hum < 55):

    print("Alarm ON, temperature is higher")

elif (temp < 60) or (hum > 55):

    print("Alarm ON, humidity is higher")

OUTPUT:

