ASSIGNMENT – 1

Python programming

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| Assignment Date |  |
| Student name | Stella .R |
| Student roll number | 212019106019 |
| Maximum marks | 2 marks |

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:

