

IOT ASSIGNMENT 2

TOPIC: *Assignment on temperature and humidity sensing and alarm automation using python*

NAME:

G. Shankar Mahadevan – 1902094

B. Sathishkumar – 1902306

A. Parthasarathy – 1902071

S. Abishek - 1902304

CODE:

```
import random while(True):  
    a=random.randint(10,100)  
    b=random.randint(10,100)  
    if(a>35 and b>65): print("HIGH TEMPERATURE AND HUMIDITY  
        OF:",a,b,"%","ALARM IS ON") continue  
    elif(a<35 and b<65):  
        print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")  
        break
```

OUTPUT :-

Run

Debug

Stop

Share

Save

Beautify

Language Python 3

main.py

```
1 import random
2 while(True):
3     a=random.randint(10,100)
4     b=random.randint(10,100)
5     if(a>35 and b>65):
6         print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS ON")
7         continue
8     elif(a<35 and b<65):
9         print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")
10        break
```

input

```
HIGH TEMPERATURE AND HUMIDITY OF: 68 96 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 81 83 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF: 13 32 % ALARM IS OFF

...Program finished with exit code 0
Press ENTER to exit console.
```