

## IOT Assignment 2

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

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**Code:-**

```
import random while(True):  
    a=random.randint(10,99)  
    b=random.randint(10,99)  
    if(a>35 and b>60):  
        print("high temprature and humidity  
of:",a,b,"","alarm is on")  
    elif(a<35 and b<60):  
        print("Normal temprature and humidity  
of:",a,b,"%","alarm is off")  
    break
```

**Output:-**

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main.py

```
1 import random
2 while(True):
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>35 and b>60):
6         print("high temprature and humidity of:",a,b,"%","alarm is on")
7     elif(a<35 and b<60):
8         print("Normal temprature and humidity of:",a,b,"%","alarm is off")
9         break
```

input

```
high temprature and humidity of: 47 77 % alarm is on
high temprature and humidity of: 50 80 % alarm is on
high temprature and humidity of: 36 78 % alarm is on
Normal temprature and humidity of: 25 45 % alarm is off

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

13:07  
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