

**Dr. Mahalingam College of Engineering and
Technology**

Department of Computer Science and Engineering

IOT Assignment









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 temperature and humidity of:",a,b,"%","alarm is on")
    elif(a<35 and b<60):
        print("Normal temperature and humidity of:",a,b,"%","alarm is off")
        break
```

Output:



main.py



Run

```
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 temperature and humidity of:",a,b,"%","alarm is on"
7             )
8     elif(a<35 and b<60):
9         print("Normal temperature and humidity of:",a,b,"%","alarm is
10            off")
11     break
```

Shell

Clear

```
high temperature and humidity of: 46 95 % alarm is on
high temperature and humidity of: 84 63 % alarm is on
high temperature and humidity of: 48 67 % alarm is on
high temperature and humidity of: 62 78 % alarm is on
high temperature and humidity of: 55 92 % alarm is on
Normal temperature and humidity of: 25 41 % alarm is off
> |
```

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