# IOT Assignment 2

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

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**Code:-**

```python
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:-**

Language Python 3

main.py

```python
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
```

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.
```