

KGiSL INSTITUTE OF TECHNOLOGY

[Department of Electronics & Communication Engineering]

ASSIGNMENT -O2

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**TOPIC: Temperature and humidity sensing and alarm automation
using python**

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:

```
Run | Debug | Stop | Share | Save | Search | Language Python 3 | Settings | Help
```

```
1 import random
2 while(True):
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>10 and b>60):
6         print("High temperature and humidity of: ",a,b,"°C","alarm is on")
7     elif(a<10 and b<60):
8         print("Normal temperature and humidity of: ",a,b,"°C","alarm is off")
9     break
10
11
```

Input

```
High temperature and humidity of: 53 94 °C alarm is on
High temperature and humidity of: 82 71 °C alarm is on
High temperature and humidity of: 57 80 °C alarm is on
Normal temperature and humidity of: 33 12 °C alarm is off

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