

VSB Engineering College, Karur – 639 111

Department of Electronics and Communication Engineering

IOT Assignment – 2

Title: Assignment on Temperature and Humidity Sensing and Alarm

Domain Name: Internet of Things

Name: Teenal R

Mentor Name: Nandhini P

Program:

```
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
```

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Language Python 3

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 Temperature and Humidity of: ",a,b,"%","Alarm is ON")
7     elif(a<35 and b<60):
8         print("Normal Temperature and Humidity of: ",a,b,"%","Alarm is OFF")
9         break
10
11
```

input

```
High Temperature and Humidity of: 42 65 % Alarm is ON
High Temperature and Humidity of: 51 69 % Alarm is ON
High Temperature and Humidity of: 44 63 % Alarm is ON
High Temperature and Humidity of: 76 68 % Alarm is ON
High Temperature and Humidity of: 37 93 % Alarm is ON
Normal Temperature and Humidity of: 13 33 % Alarm is OFF
...Program finished with exit code 0
Press ENTER to exit console.
```

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