

MARTHANDAM COLLEGE OF ENGINEERING AND TEHNOLOGY

Department of Information Technology

Assignment – 2

Domain: IOT

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):
```

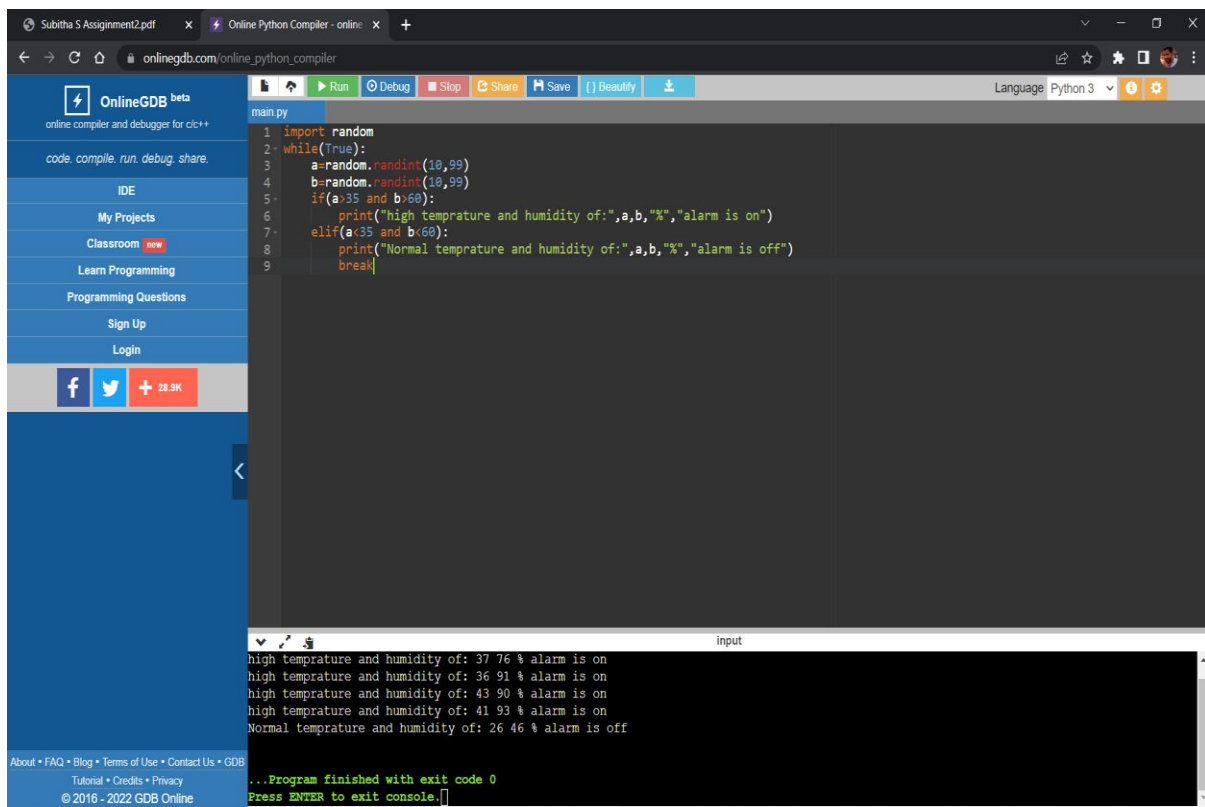
```
        print("high temprature and humidity of:",a,b,"% ","alarm is on")
```

```
    elif(a<35 and b<60):
```

```
        print("Normal temprature and humidity of:",a,b,"% ","alarm is  
off")
```

```
        break
```

Output:-



The screenshot displays the OnlineGDB web interface. The left sidebar contains navigation links: OnlineGDB beta, code, compile, run, debug, share, IDE, My Projects, Classroom (new), Learn Programming, Programming Questions, Sign Up, and Login. The main editor area shows a Python script named 'main.py' with the following code:

```
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
```

The output console at the bottom shows the execution results:

```
high temprature and humidity of: 37 76 % alarm is on
high temprature and humidity of: 36 91 % alarm is on
high temprature and humidity of: 43 90 % alarm is on
high temprature and humidity of: 41 93 % alarm is on
Normal temprature and humidity of: 26 46 % alarm is off
...Program finished with exit code 0
Press ENTER to exit console.
```