

IBM-NALAYATHIRAN

DOMAIN-IOT

ASSIGNMENT 2

TEMPERATURE AND HUMIDITY SENSING AND ALARM AUTOMATION USING  
PYTHON

BY

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CODE:

```
import random while(True):
```

```
a=random.randint(10,99)
```

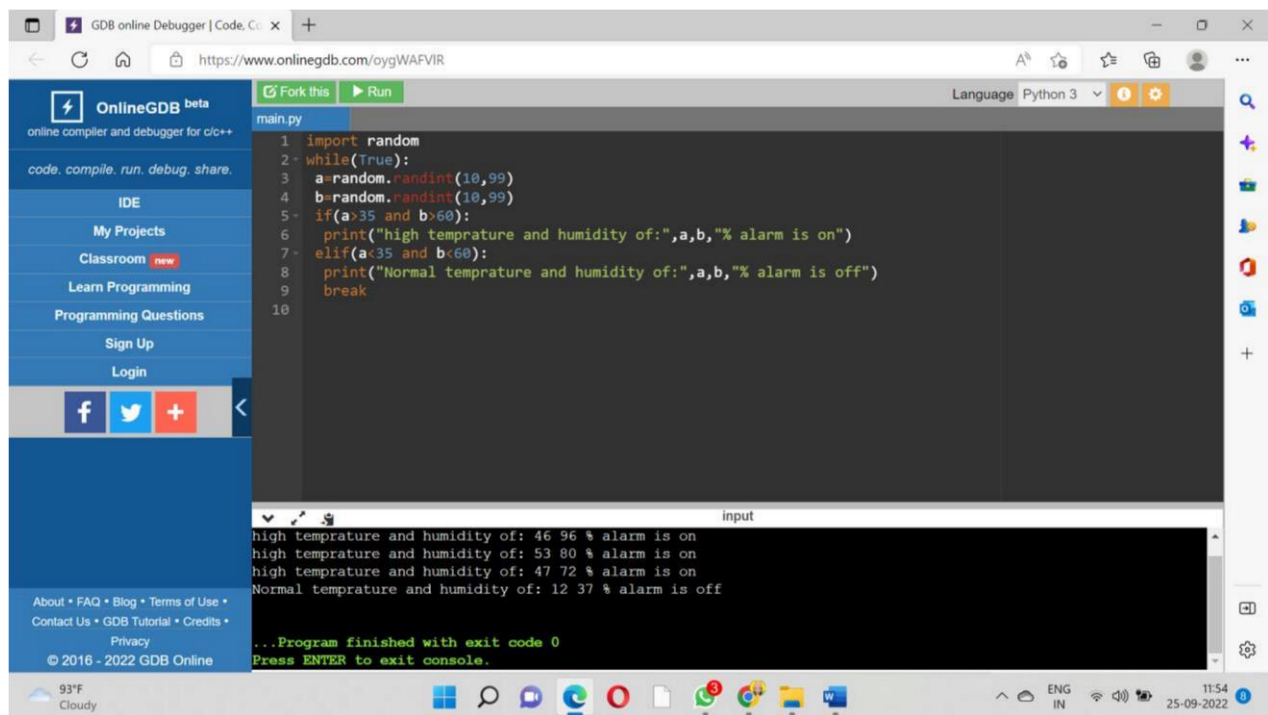
```
b=random.randint(10,99) if(a>35
```

```
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 shows 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 area displays a Python script in a code editor. The script is as follows:

```
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
10
```

Below the code editor, the output console shows the following results:

```
high temprature and humidity of: 46 96 % alarm is on
high temprature and humidity of: 53 80 % alarm is on
high temprature and humidity of: 47 72 % alarm is on
Normal temprature and humidity of: 12 37 % alarm is off
...Program finished with exit code 0
Press ENTER to exit console.
```

The bottom of the browser window shows the Windows taskbar with the date 25-09-2022 and time 11:54.