

Assignment 2

Code:-

```
import random
```

```
while(True):
```

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

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

```
if(a>35 and b>60):
```

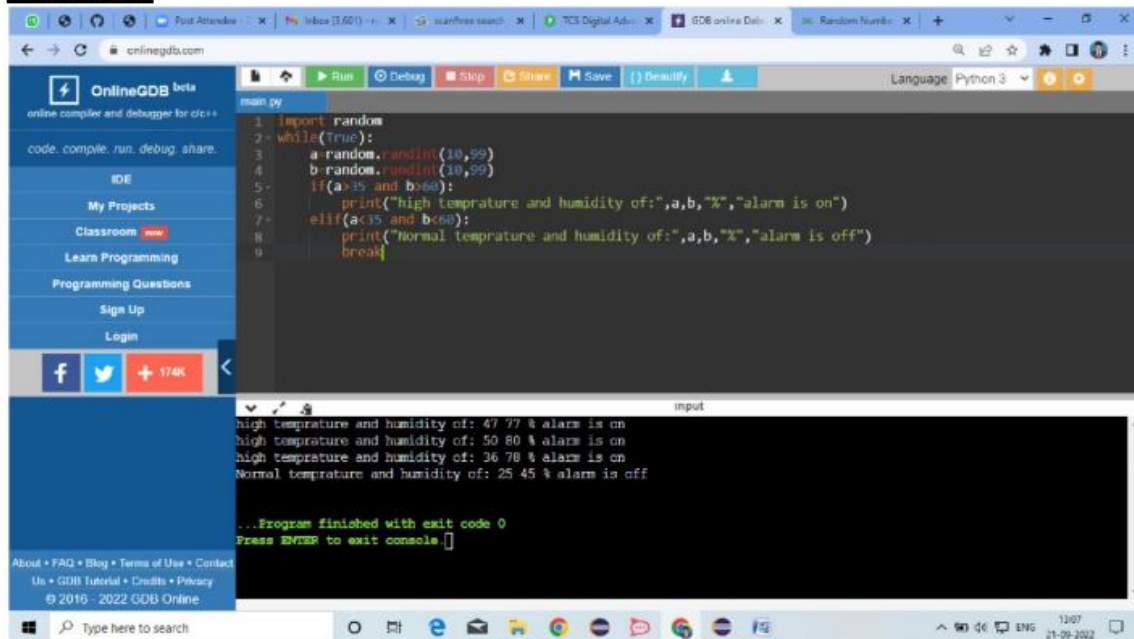
```
    print("high temprature and humidity  
of:",a,b,"%","alarm is on")
```

```
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 top navigation bar includes links for 'code', 'compile', 'run', 'debug', and 'share'. The left sidebar contains a menu with options like 'IDE', 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', 'Sign Up', and 'Login'. The main area shows a Python script in a dark-themed editor. The script imports the 'random' module and enters a 'while(True):' loop. Inside the loop, it generates two random numbers, 'a' and 'b', both ranging from 10 to 99. It then checks if 'a' is greater than 15 and 'b' is greater than 60. If true, it prints 'high temprature and humidity of: a,b,"%", "alarm is on"'. If false, it prints 'Normal temprature and humidity of: a,b,"%", "alarm is off"'. The loop is broken after the first iteration. Below the editor, the output console shows the results of the program's execution, displaying four lines of output corresponding to the random values generated. The output ends with '...Program finished with exit code 0' and a prompt to 'Press ENTER to exit console.'.

```
1 import random
2 while(True):
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>15 and b>60):
6         print("high temprature and humidity of:",a,b,"%","alarm is on")
7     elif(a<15 and b<60):
8         print("Normal temprature and humidity of:",a,b,"%","alarm is off")
9     break
```

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.