VSB Engineering College, Karur-639111

Department of Electronics and Communication Engineering

IOT Assignment

Topic : Assignment on temperature and humidity sensing and alarm automation using python

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Code:-

```python
import random

while(True):

  a=random.randint(9,89)

  b=random.randint(9,89)

  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
```
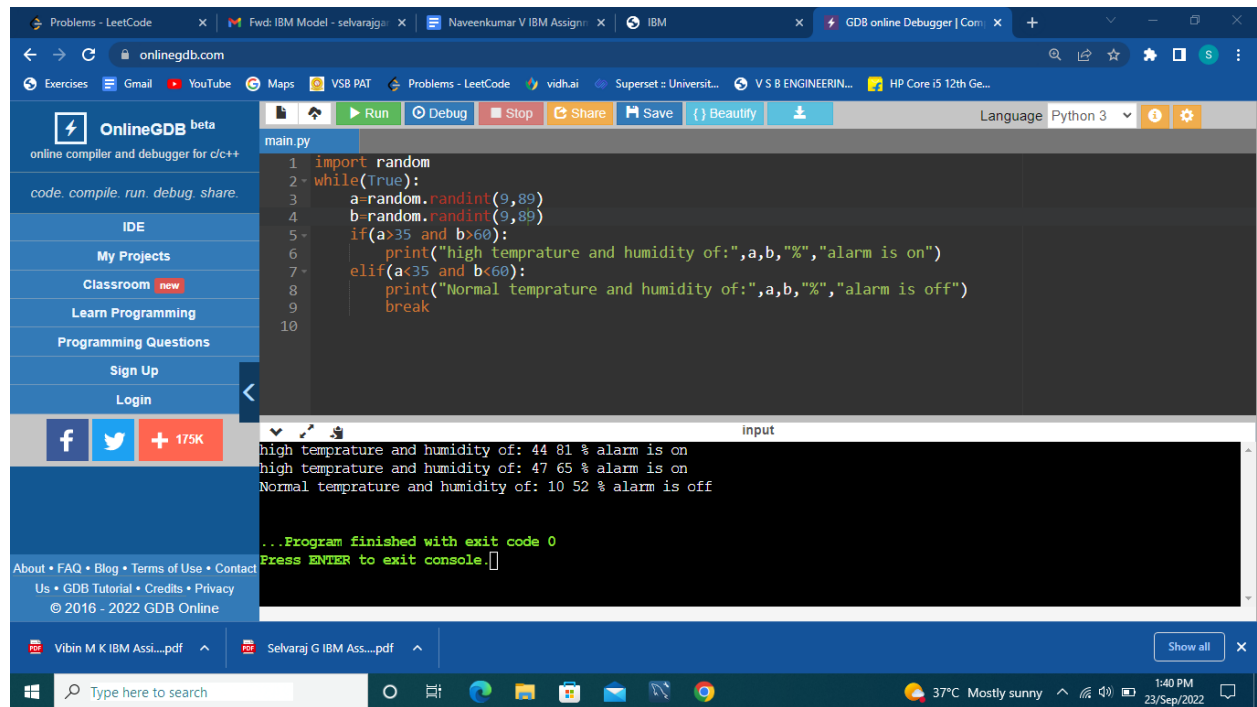
Output:-


```python
import random
while(True):
    a=random.randint(9,89)
    b=random.randint(9,89)
    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
```

```
high temprature and humidity of: 44 81 % alarm is on
high temprature and humidity of: 47 65 % alarm is on
Normal temprature and humidity of: 10 52 % alarm is off

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