

PROBLEM :

Build a python code, Assume you get temperature and humidity values (Generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

PROGRAM:

```
import random

temperature=random.randint(1,100)

humidity=random.randint(1,100)

print("Temperature is =",temperature)

print("Humidity is =",humidity)

if (temperature<15):

    print("Temperature is low and humidity high")

    print("ALARAM OFF")

elif(temperature>15) and (temperature<59):

    print("Temperature is normal and humidity is also normal")

    print("ALARAM OFF")

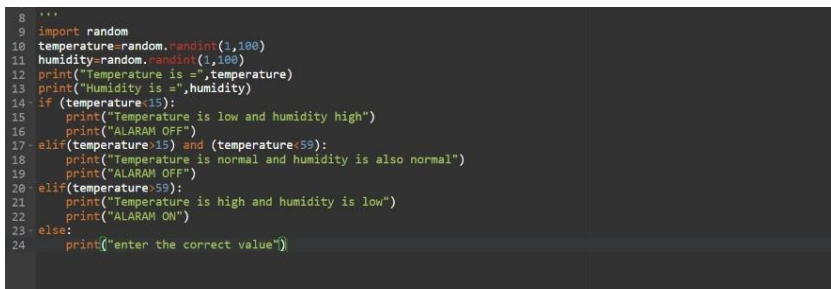
elif(temperature>59):

    print("Temperature is high and humidity is low")

    print("ALARAM ON")

else:

    print("enter the correct value")
```



```
8 '''
9 import random
10 temperature=random.randint(1,100)
11 humidity=random.randint(1,100)
12 print("Temperature is =",temperature)
13 print("Humidity is =",humidity)
14 if (temperature<15):
15     print("Temperature is low and humidity high")
16     print("ALARAM OFF")
17 elif(temperature>15) and (temperature<59):
18     print("Temperature is normal and humidity is also normal")
19     print("ALARAM OFF")
20 elif(temperature>59):
21     print("Temperature is high and humidity is low")
22     print("ALARAM ON")
23 else:
24     print("enter the correct value")
```

OUTPUT

```
temperature is = 53  
humidity is = 78  
temperature is normal and humidity is also normal  
ALARM OFF
```