## Assignment -2 To get temperature and humidity value

Assignment Date	26 September 2022
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Maximum Marks	2 Marks

## Question-1:

Python program to get temperature and humidity values with random function variable and write condition to continuously detect alarm in case of high temperature.

## **Solution:**

```
import random
while(True):
    t=random.randint(0,100)
    h=random.randint(0,100)
    print("Temperature=",t)
    print("Humidity=",h)
    if(t>90 and h>60):
        print("Alarm is detected")
    elif(t<90 and h<60):
        print("Alarm is not detected")</pre>
```

## **Output:**

```
File Edit Shell Debug Options Window Help
Temperature= 83
File Edit Format Run Options Window Help
import random
while(True):
                                                                                                                                  Humidity= 96
                                                                                                                                  Temperature= 89
       t=random.randint(0,100)
                                                                                                                                  Humidity= 26
Alarm is not detected
Temperature= 92
      h=random.randint(0,100)
print("Temperature=",t)
print("Humidity=",h)
      if(t>90 and h>60):
    print("Alarm is detected")
elif(t<90 and h<60):
    print("Alarm is not detected")</pre>
                                                                                                                                  Humidity= 96
Alarm is detected
                                                                                                                                  Temperature= 37
Humidity= 74
                                                                                                                                  Temperature= 45
Humidity= 47
Alarm is not detected
Temperature= 28
                                                                                                                                  Humidity= 16
Alarm is not detected
                                                                                                                                 Temperature= 16
Humidity= 23
Alarm is not detected
Temperature= 55
                                                                                                                                  Humidity= 33
Alarm is not detected
                                                                                                                                  Temperature= 57
Humidity= 11
Alarm is not detected
                                                                                                                                  Temperature= 80
                                                                                                                                   Humidity= 85
                                                                                                                                  Temperature= 40
Humidity= 8
Alarm is not detected
```