

ASSIGNMENT-2

PYTHON PROGRAMMING

Assignment Date	28-9-2022
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Maximum Marks	2 Marks

QUESTION:

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

PROGRAM:

```
import random

temp=random.randint(10,100)
humid=random.randint(1,100)
print("Temperature=",temp)
print("Humidity=",humid)
if ((temp<20)&(humid>50)):
    print("Temperature is low");
    print("Do not ring the alarm");
elif((temp>30)&(humid<40)):
    print("Temperature is high");
    print("Ring the alarm");
else:
    Print("Normal temperature");
    print("Do not ring the alarm");
```

OUTPUT:

Temperature=73

Humidity= 37

Temperature is high

Ring the alarm

```
1 import random
2 temp=random.randint(10,100)
3 humid=random.randint(1,100)
4 print("Temperature=",temp)
5 print("Humidity=",humid)
6 if ((temp<20)&(humid>50)):
7     print("Temperature is low");
8     print("Do not ring the alarm");
9 elif((temp>30)&(humid<40)):
10    print("Temperature is high");
11    print("Ring the alarm");
12 else:
13    Print("Normal temperature");
14    print("Do not ring the alarm");
```

main.py Shell

Temperature= 73
Humidity= 33
Temperature is high
Ring the alarm
>

Run