ASSIGNMENT-2

PYTHON PROGRAMMING

Assignment Date	28-9-2022
Student Name	JIBISHA
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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:

```python
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 temperatu    Run
14      print("Do not ring the alarm");
```

←   main.py   Shell   ☾

Temperature= 73

Humidity= 33

Temperature is high

Ring the alarm

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