

Assignment -2
Python
Programming

Assignment Date	24 September 2022
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Maximum Marks	2 Marks

Question-1:

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

Solution:

```
import random
temperature= int(input("Enter the
temperature")) humidity=int(input("Enter the
humidity")) print(temperature)

print(humidity)
if
    ((temperature<45)&(humidity<35
)): print("Temperature is
normal") print("humidity is
normal")
elif((temperature>45)&(humidity<35
)): print("Temperature is High")
    print("humidity is low")
    print("Alarm is ON")
elif((temperature>45)&(humidity>35
)):
    print("Temperature is
High") print("humidity is
High")
elif((temperature<45)&(humidity<35)
): print("Temperature is low")
    print("humidity is high")
else:
    print("temperature is
low") print("humidity is
low")
    print("Alarm is OFF")
```

```
1 import random
2 temperature= int ( input ( "Enter the temperature" ))
3 humidity= int ( input ( "Enter the humidity" ))
4 print (temperature)
5
6 print (humidity)
7
8 if ((temperature<45)&(humidity<35)):
9     print("Temperature is normal")
10    print("humidity is normal")
11 elif ((temperature>45)&(humidity<35)):
12     print("Temperature is High")
13     print("humidity is low")
14     print("Alarm is ON")
15 elif ((temperature>45)&(humidity>35)):
16     print("Temperature is High")
17     print("humidity is High")
```

Ln: 14, Col: 38

 Run  Share Command Line Arguments

```
Enter the temperature
100
Enter the humidity
20
100
20
Temperature is High
humidity is low
Alarm is ON
```