Assignment -2

Python Programming

Assignment Date	16 November 2022
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Team ID	PNT2022TMID06071
Maximum Marks	2 Marks

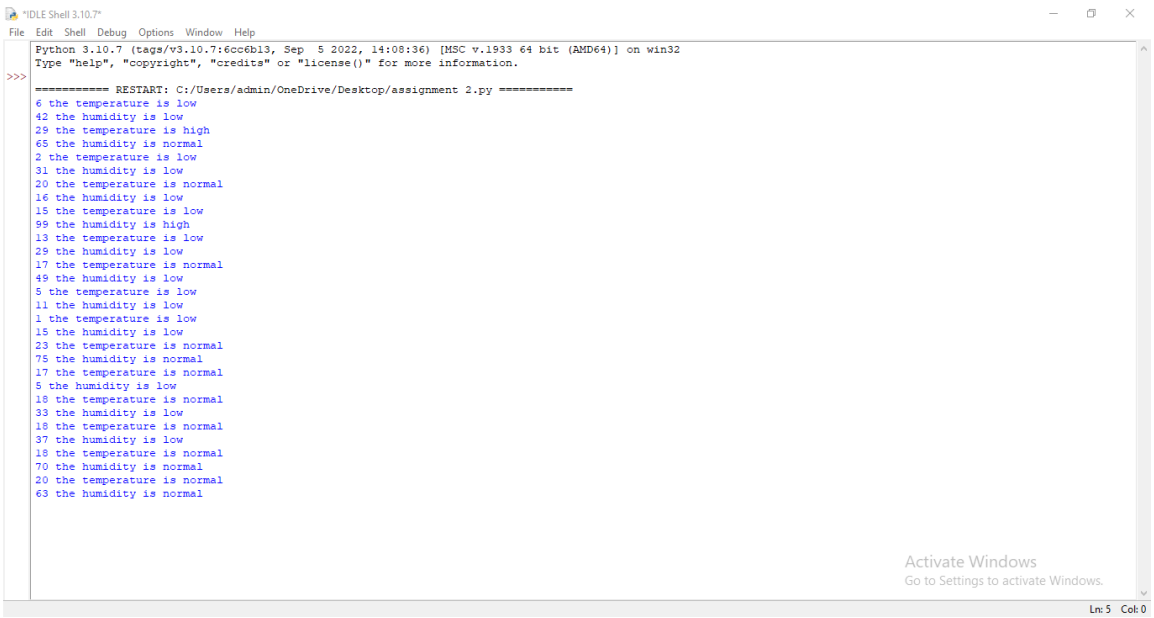
Question-1:

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.

Solution:

```
import time
i=0
while (i<=1440):
  i=i+1
  time.sleep(10)

  import random
  temp=random.randint(0,30)
  humid=random.randint(1,100)
  if temp<=15:
    print(temp,"the temperature is low")
  elif temp<=25:
    print(temp,"the temperature is normal")
  else:
    print(temp,"the temperature is high")
  if humid<=50:
    print(humid,"the humidity is low")
  elif humid<=80:
    print(humid,"the humidity is normal")
  else:
    print(humid,"the humidity is high")
```


IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/admin/OneDrive/Desktop/assignment 2.py ==========
6 the temperature is low
42 the humidity is low
29 the temperature is high
65 the humidity is normal
2 the temperature is low
31 the humidity is low
20 the temperature is normal
16 the humidity is low
15 the temperature is low
99 the humidity is high
13 the temperature is low
29 the humidity is low
17 the temperature is normal
49 the humidity is low
5 the temperature is low
11 the humidity is low
1 the temperature is low
15 the humidity is low
23 the temperature is normal
75 the humidity is normal
17 the temperature is normal
5 the humidity is low
18 the temperature is normal
33 the humidity is low
18 the temperature is normal
37 the humidity is low
18 the temperature is normal
70 the humidity is normal
20 the temperature is normal
63 the humidity is normal
Activate Windows
Go to Settings to activate Windows.
Ln: 5 Col: 0