Assignment - 2
Python Programming

Assignment Date	19 September 2022
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Maximum Marks	2 Marks

Question:

Build a python code, assume u 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:

```python
import numpy
import random
while(True):
    temp=random.uniform(15,55);
    humidity=random.uniform(10,20)
    '''Threshold = 40'''
    print('Temperature(C):',round(temp,2),'Humidity(gm/m^3):',round(humidity,2))
    print('High temperature detected' if temp>40 else 'Its normal')
    print('\n')
```

Output:

```
Temperature(C): 17.53 Humidity(gm/m^3): 11.13
Its normal


Temperature(C): 53.9 Humidity(gm/m^3): 15.09
High temperature detected


Temperature(C): 47.22 Humidity(gm/m^3): 18.16
High temperature detected


Temperature(C): 46.75 Humidity(gm/m^3): 10.15
High temperature detected


Temperature(C): 22.46 Humidity(gm/m^3): 13.74
Its normal
```