Assignment -2
Python Programming

Assignment Date	27 September 2022
Student Name	Nikil R
Student Roll Number	AC19UIT028
Maximum Marks	2 Marks

Question-1:

**Build a python code, assume you get temperature and humidity values
(Generated with random functions to a variable) and write a condition to continuously detect
alarm in case of high temperature.**

Solution :

#Getting Temperature

import random

temperature=(random.random())*100

roundedTemp=round(temperature)

print("The temperature is",roundedTemp)

#Checking Temperature

if roundedTemp>30:

   print("The temperature is high")

else:

   print("The temperature is low")

File Edit Format Run Options Window Help

```python
#Getting Temperature
import random
temperature=(random.random())*100
roundedTemp=round(temperature)
print("The temperature is",roundedTemp)

#Checking Temperature
if roundedTemp>30:
    print("The temperature is high")
else:
    print("The temperature is low")
```

IDLE Shell 3.9.7

File Edit Shell Debug Options Window Help

```
Python 3.9.7 (tags/v3.9.7:1016ef3, Aug 30 2021, 20:19:38) [MSC v.1929 64 bit (AM
D64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
============ RESTART: C:/Users/ADMIN/IBM python files/Temperature.py ===========
The temperature is 99
The temperature is high
>>>
============ RESTART: C:/Users/ADMIN/IBM python files/Temperature.py ===========
The temperature is 74
The temperature is high
>>>
============ RESTART: C:/Users/ADMIN/IBM python files/Temperature.py ===========
The temperature is 97
The temperature is high
>>>
============ RESTART: C:/Users/ADMIN/IBM python files/Temperature.py ===========
The temperature is 99
The temperature is high
>>>
```

Ln: 19 Col: 4