Assignment -2

Assignment Date	24 September 2022
Student Name	PRATEEK S
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Team Id	PNT2022TMID15034
Maximum Marks	2 Marks

Question-1:

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

Solution:

```
import random

temp= random.randint(1,45)
print("The Temperature is:",temp)
humid = random.randint(0,99)
print("Humidity is: ",humid,"%")



if temp>25:

    print("High Temperature")

if humid >45:

    print("High Humidity")
```

OUTPUT:

```
Assignemnt-2.py - C:/Users/CS/Desktop/Assignemnt-2.py
File  Edit  Format  Run  Options  Window  Help
import random
temp= random.randint(1,45)
print("The Temperature is: ",temp)
humid = random.randint(0,99)
print("Humidity is: ",humid,"%")

if temp>25:
    print("High Temperature")
if humid >45:
    print("HIgh Humidity")
```

```
IDLE Shell 3.9.7 - C:/Users/CS/Downloads/ass1.py (3.9.7)          —    □    ×
File  Edit  Shell  Debug  Options  Window  Help
>>>
==================== RESTART: C:/Users/CS/Downloads/ass2.py ====================
27
69.73535988201883
              !
             /a\
>>>
================ RESTART: C:/Users/CS/Desktop/Assignemnt-2.py ================
The Temperature is:  21
Humidity is:  5 %
>>>
================ RESTART: C:/Users/CS/Desktop/Assignemnt-2.py ================
The Temperature is:  44
Humidity is:  32 %
High Temperature
>>>
================ RESTART: C:/Users/CS/Desktop/Assignemnt-2.py ================
The Temperature is:  6
Humidity is:  38 %
>>>
================ RESTART: C:/Users/CS/Desktop/Assignemnt-2.py ================
The Temperature is:  10
Humidity is:  45 %
>>>
================ RESTART: C:/Users/CS/Desktop/Assignemnt-2.py ================
The Temperature is:  4
Humidity is:  88 %
HIgh Humidity
>>>
================ RESTART: C:/Users/CS/Desktop/Assignemnt-2.py ================
The Temperature is:  21
Humidity is:  15 %
>>>
================ RESTART: C:/Users/CS/Desktop/Assignemnt-2.py ================
The Temperature is:
================ RESTART: C:/Users/CS/Desktop/Assignemnt-2.py ================
The Temperature is:  39
Humidity is:  29 %
High Temperature
```