Assignment -2

Python Programming

Assignment Date	27 September 2022
Student Name	T. Gunasekaran
Student Roll Number	510119104009
Maximum Marks	2 Marks

Question-1:

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.

Program :

```
import random

import time

while True:

  tem=random.randint(20,100)

  hum=random.randint(20,100)


  if tem>=80:

    print(tem)

    print("High temperature is detected")

  else:

    print("Low temperature is detected")

  if hum>=50:

    print("high Humidity")

  else:

    print("low humidity")

    time.sleep(5)
```

din.py - E:/ibm/dines/din.py (3.10.7)

File Edit Format Run Options Window Help

```python
import random
import time
while True:
    tem=random.randint(20,100)
    hum=random.randint(20,100)

    if tem>=80:
        print(tem)
        print("High temperature is detected")
    else:
        print("Low temperature is detected")
    if hum>=50:
        print("high Humidity")
    else:
        print("low humidity")
    time.sleep(5)
```

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 bi
t (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======================== RESTART: E:/ibm/dines/din.py ========================
Low temperature is detected
low humidity
Low temperature is detected
low humidity
Low temperature is detected
high Humidity
96
High temperature is detected
low humidity
95
High temperature is detected
low humidity
87
High temperature is detected
high Humidity
91
High temperature is detected
high Humidity
83
High temperature is detected
low humidity
Low temperature is detected
low humidity
```