Assignment -2
Python Programming

Assignment Date	27 September 2022
Student Name	J. MANOJ
Student Roll Number	510119104013
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:

  x=random.randint(10,80)

  y=random.randint(10,80)


if x>=60:

    print(x)

    print("High temperature is detected")
else:

    print("low temperature is detected")
if y>=30:

    print("high Humidity")
else:

    print("low humidity")

    time.sleep(8)
```

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

File Edit Format Run Options Window Help

```python
import random
import time

while True:
    x=random.randint(10,80)
    y=random.randint(10,80)

if x>=60:
        print(x)
        print("High temperature is detected")
else:
        print("low temperature is detected")
if y>=30:
        print("high Humidity")
else:
        print("low humidity")
        time.sleep(8)
```

IDLE Shell 3.10.7

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```
Low temperature is detected
low humidity
Low temperature is detected
high Humidity
Low temperature is detected
low humidity
Low temperature is detected
high Humidity
84
High temperature is detected
high Humidity
Low temperature is detected
low humidity
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97
High temperature is detected
high Humidity
85
High temperature is detected
high Humidity
Low temperature is detected
high Humidity
Low temperature is detected
high Humidity
Low temperature is detected
low humidity
83
High temperature is detected
low humidity
```