Assignment -2

Python Programming

Assignment Date	27 September 2022
Student Name	C. SARAN
Student Roll Number	510119104019
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(20,90)

   y=random.randint(20,90)


if x>=70:

     print(x)

     print("High temperature is detected")
else:

     print("temperture is low")
if y>=50:

     print("high Humidity")
else:

     print("low humidity")

     time.sleep(7)
```

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(20,90)
    y=random.randint(20,90)

if x>=70:
        print(x)
        print("High temperature is detected")
else:
        print("temperture is low")
if y>=50:
        print("high Humidity")
else:
        print("low humidity")
        time.sleep(7)
```

IDLE Shell 3.10.7

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```
Low temperature is detected
high Humidity
90
High temperature is detected
high Humidity
Low temperature is detected
low humidity
Low temperature is detected
high Humidity
Low temperature is detected
high Humidity
Low temperature is detected
low humidity
Low temperature is detected
high Humidity
Low temperature is detected
high Humidity
Low temperature is detected
high Humidity
Low temperature is detected
low humidity
Low temperature is detected
high Humidity
Low temperature is detected
high Humidity
93
High temperature is detected
high Humidity
Low temperature is detected
low humidity
Low temperature is detected
high Humidity
Low temperature is detected
high Humidity
83
High temperature is detected
high Humidity
82
High temperature is detected
low humidity
```

IDLE Shell 3.10.7