

Assignment -2

Python Programming

Assignment Date	24 September 2022
Student Name	Saran S
Student Roll Number	2019504579
Maximum Marks	2 Marks

Question:

Build a Python code, assume you 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.

Solution:

```
import random
import time

i=0
while(i<5):
    temp = random.randrange(0,75)
    mois = random.randrange(0,120)
    print(temp," ",mois,"%")
    if(temp > 50):
        print("High Temperature")
    elif(temp < 10):
        print("Low Temperature")

    if(mois > 80):
        print("Very Humid Weather")
    elif(mois < 20):
        print("Very Dry Weather")

    i+=1
    time.sleep(2)
```

Code:

```
import random
import time

i = 0
while (i < 5):
    temp = random.randrange(0, 75)
    mois = random.randrange(0, 120)
    print(temp, " ", mois, "%")
    if (temp > 50):
        print("High Temperature")
    elif (temp < 10):
        print("Low Temperature")

    if (mois > 80):
        print("Very Humid Weather")
    elif (mois < 20):
        print("Very Dry Weather")

    i += 1
    time.sleep(2)
```

Code Result:

```
63  26 %
High Temperature
19  51 %
6   12 %
Low Temperature
Very Dry Weather
18  43 %
61  48 %
High Temperature

Process finished with exit code 0
```