

## Assignment -2

### Python Programming

Assignment Date	24 September 2022
Student Name	Manibalan.A
Student Roll Number	2019504035
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<100):
    temp = random.randrange(0,60)
    mois = random.randrange(0,105)
    print(temp," ",mois,"% ")
    if(temp > 45):
        print("High Temperature")
    elif(temp < 10):
        print("Low Temperature")

    if(mois > 75):
        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(0,60)
    mois = random.randrange(0,105)
    print(temp," ",mois,"%")
    if(temp > 45):
        print("High Temperature")
    elif(temp < 10):
        print("Low Temperature")

    if(mois > 75):
        print("Very Humid Weather")
    elif(mois < 20):
        print("Very Dry Weather")

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

**Code Result:**

```
5 20 %
Low Temperature
58 27 %
High Temperature
34 84 %
Very Humid Weather
58 49 %
High Temperature
16 13 %
Very Dry Weather
```

