

## Assignment -2

### Python Programming

Assignment Date	24 September 2022
Student Name	Thilak.K
Student Roll Number	2019504599
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(0,50)
    mois = random.randrange(0,100)
    print(temp," ",mois,"%")
    if(temp > 42):
        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(0,50)  
    mois = random.randrange(0,100)  
    print(temp, " ",mois,"%")  
    if(temp > 42):  
        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:**

```
27  24 %  
5   14 %  
Low Temperature  
Very Dry Weather  
5   55 %  
Low Temperature  
7   35 %  
Low Temperature  
16  30 %
```