

Assignment -2

Python Programming

Assignment Date	24 September 2022
Student Name	Bhuvanesh P
Student Roll Number	2019504013
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(0,70)
```

```
    mois = random.randrange(0,125)
```

```
    print(temp," ",mois,"%")
```

```
    if(temp > 45):
```

```
        print("High Temperature")
```

```
    elif(temp < 10):
```

```
        print("Low Temperature")
```

```
    if(mois > 90):
```

```
        print("Very Humid Weather")
```

```
    elif(mois < 25):
```

```
        print("Very Dry Weather")
```

```
    i+=1
```

```
    time.sleep(2)
```

Code:

```
import random
import time

i=0
while(i<5):
    temp = random.randrange(0,70)
    mois = random.randrange(0,125)
    print(temp," ",mois,"%")
    if(temp > 45):
        print("High Temperature")
    elif(temp < 10):
        print("Low Temperature")

    if(mois > 90):
        print("Very Humid Weather")
    elif(mois < 25):
        print("Very Dry Weather")

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

Code Result:

```
43  9 %
Very Dry Weather
33 19 %
Very Dry Weather
32 35 %
21  5 %
Very Dry Weather
69 123 %
High Temperature
Very Humid Weather
```

