

## ASSIGNMENT –2

*Build a python code, Assume u get temperature and humidity values (generated with a random function to a variable) and write a condition to detect an alarm in case of high temperature continuously.*

**CODE:**

```
import random
```

```
import time
```

```
temp = 0
```

```
hum = 0
```

```
while(True):
```

```
    temp = random.random()*1000
```

```
    hum = random.random()*1000
```

```
    if(temp > 35 and hum < 30 ):
```

```
        print(" Warning!!! High Temperature !!!\n ")
```

```
        print("Temperature : " + str(temp))
```

```
        print("Humidity : " + str(hum))
```

```
        print()
```

```
    elif(temp < 18 and hum > 45):
```

```
        print("Warning!!! Low Temperature!!!\n")
```

```
        print("Temperature : " + str(temp))
```

```
        print("Humidity : " + str(hum))
```

```
        print()
```

*elif((temp > 25 and temp >18) and (hum <30 and hum > 45)):*

*print(" Normal ")*

*print("Temperature : " + str(temp))*

*print("Humidity : " + str(hum))*

*print()*

*elif(temp < 18 and hum >50):*

*print("High Alert !!! Extremely Low Temperature!!!\n")*

*print("Temperature : " + str(temp))*

*print("Humidity : " + str(hum))*

*print()*

*elif(temp >60 and hum < 25) :*

*print("High Alert!!! Extremely High Temperature!!!\n")*

*print("Temperature : " + str(temp))*

*print("Humidity : " + str(hum))*

*print()*

*else:*

*print("Fetching.....")*

*time.sleep(5)*