

## Assignment - 2

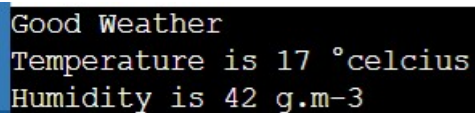
**Python code to get temperature and humidity values (generated with a random function to a variable) and condition to detect an alarm in case of high temperature.**

Code:

```
import random
def temperature():
    temperature = random.randrange(15,40)
    return temperature
def humidity():
    humidity=random.randrange(30,75)
    return humidity
temperature=temperature()
humidity=humidity()
if(temperature<=35):
    if(humidity<=60):
        print("Good Weather")
        print("Temperature is",temperature,"°celcius")
        print("Humidity is",humidity,"g.m-3")
    else:
        print("Warning Alert High Humidity")
        print("Humidity is",humidity,"g.m-3")
else:
    print("Warning Alert High Temperature")
    print("Temperature is",temperature,"°celcius")
```

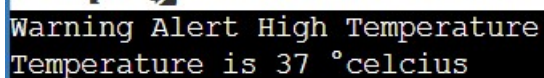
### **OUTPUT:**

Output for normal temperature and humidity:

A terminal window with a black background and blue text. It displays three lines of output: "Good Weather", "Temperature is 17 °celcius", and "Humidity is 42 g.m-3".

```
Good Weather
Temperature is 17 °celcius
Humidity is 42 g.m-3
```

Output for warning alert of high temperature:

A terminal window with a black background and blue text. It displays two lines of output: "Warning Alert High Temperature" and "Temperature is 37 °celcius".

```
Warning Alert High Temperature
Temperature is 37 °celcius
```

Output for warning alert of high humidity:

```
Warning Alert High Humidity  
Humidity is 66 g.m-3
```