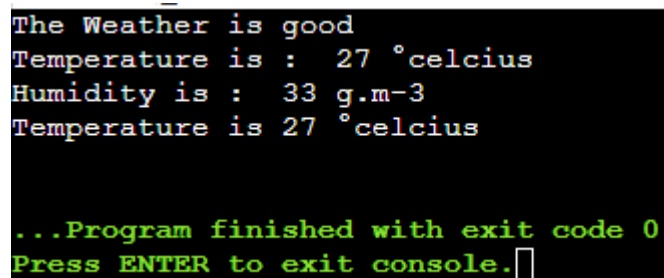# NALAIYATHIRAN
Assignment – 2

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.

Python Code:

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

OUTPUT:

Output for normal temperature and humidity:


```
The Weather is good
Temperature is :  27 °celcius
Humidity is :  33 g.m-3
Temperature is 27 °celcius


...Program finished with exit code 0
Press ENTER to exit console.
```

Output for warning alert of high temperature:

```
Warning Alert High Temperature
Temperature is 36 °celcius


...Program finished with exit code 0
Press ENTER to exit console.
```

Output for warning alert of high humidity:

```
Warning Alert High Humidity
Humidity is 70 g.m-3
Temperature is 24 °celcius


...Program finished with exit code 0
Press ENTER to exit console.
```