

## IBM ASSIGNMENT – 2

Name - GENGARAJ.P

college - EASA CLG OF ENGINEERING AND  
TECHNOLOGY

### ASSIGNMENT QUESTION

**Build a python code, Assume u 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.**

## **PYTHON CODE:**

```
import random
import time
while(1!=0):
    temperature = random.random()
    humidity = random.random()
    #round(temperature,2) #round(humidity,2)
    ("print Temperature: ", "%0.5f" % temperature)
    print("Humidity: ", "%0.5f" % humidity)
    time.sleep(2)
    if (temperature > 0.7):
        print("high temperature")
    if ( humidity >0.7):
        print("high humidity")
    print("")
```

```

while(1!=0):
    temperature = random.random()
    humidity = random.random()
    #round(temperature, 2) #round(humidity, 2)
    print("Temperature: ", "%.1f" % temperature)
    print("Humidity: ", "%.1f" % humidity)
    time.sleep(2)
    if (temperature > 0.7):
        print("High temperature")
    if (humidity > 0.7):
        print("High humidity")
    print("")

```

```

File Edit Shell Debug Options Window Help
Humidity: 0.39438
Temperature: 0.88671
Humidity: 0.98347
High temperature
High humidity
Temperature: 0.11725
Humidity: 0.74875
High humidity
Temperature: 0.59549
Humidity: 0.34886
Temperature: 0.29094
Humidity: 0.12541
Temperature: 0.85641
Humidity: 0.47224
High temperature
Temperature: 0.38734
Humidity: 0.30579
Temperature: 0.36792
Humidity: 0.45479
Temperature: 0.29294
Humidity: 0.24444
Temperature: 0.54832
Humidity: 0.27493
Temperature: 0.72106
Humidity: 0.68849
High temperature
Temperature: 0.27110
Humidity: 0.97422

```

Win 10 Cmd 8