

## IBM ASSIGNMENT - 2

### IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING & NOTIFICATION

**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.**

#### PROGRAM:

```
import random
import time
while(1!=0):
    temperature = random.random()
    humidity = random.random()
    print("Temperature: ", "%0.3f" % temperature)
    print("Humidity: ", "%0.3f" % humidity)
    time.sleep(2)
    if (temperature > 0.5):
        print("high temperature")
    if ( humidity >0.5):
        print("high humidity")
    print(" ")
```

#### OUTPUT:

```
Temperature:  0.780
Humidity:  0.172
high temperature

Temperature:  0.730
Humidity:  0.454
high temperature

Temperature:  0.192
Humidity:  0.814
high humidity

Temperature:  0.578
Humidity:  0.087
high temperature

Temperature:  0.598
Humidity:  0.555
high temperature
high humidity

Temperature:  0.934
Humidity:  0.468
```