

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
```