

ASSIGNMENT DATE	19 SEPTEMBER 2022
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PROJECT NAME	GAS LEAKAGE MONITORING AND ALERTING SYSTEM

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: ", "%.3f" % temperature)
    print("Humidity: ", "%.3f" % humidity)
    time.sleep(2)
    if (temperature > 0.5):
        print("high temperature")
    if ( humidity >0.5):
        print("high humidity")
    print(" ")
```

## OUTPUT:

```
Humidity: 0.823
high temperature
high humidity

Temperature: 0.307
Humidity: 0.327

Temperature: 0.900
Humidity: 0.209
high temperature

Temperature: 0.511
Humidity: 0.936
high temperature
high humidity

Temperature: 0.568
Humidity: 0.223
high temperature

Temperature: 0.736
Humidity: 0.358
high temperature

Temperature: 0.041
Humidity: 0.551
Killed
```