

IBM ASSIGNMENT 2

Assignment Date	September 27 2022
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Maximum marks	2 Marks

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: 0.145
⬆ high temperature
>_ Temperature: 0.819
    Humidity: 0.891
    ✓ ↗ high temperature
      high humidity

      Temperature: 0.369
      Humidity: 0.574
      high humidity

      Temperature: 0.282
      Humidity: 0.869
      high humidity

      Temperature: 0.087
      Humidity: 0.517
      high humidity

      Temperature: 0.721
      Humidity: 0.362
      high temperature

      Temperature: 0.435
```