

ASSIGNMENT NO:2

IBM(NALAIYA THIRAN)

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ASSIGNMENT :

Build a python code,assume you get a temperature and humidity values(generated with random function as variable) and write a condition to continuously detect alarm in case of high temperature.

CODE:

```
Import random
```

```
Import time
```

```
From datetime import datetime
```

```
While True:
```

```
Date_time = str(datetime.now())
```

```
T = random.randint(30, 90)
```

```
Print("Temperature:",t)
```

```
H = random.randint(30, 75)
```

```
Print("Humidity:",h)
```

```
If t > 50:
```

```
Print( "HIGH TEMP DETECTED", date_time)
```

```
Time.sleep(3)
```

OUTPUT:

```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/jega4/AppData/Local/Programs/Python/Python310/assignment2_je
gatheesh_950519104018.py
Temperature: 52
Humidity: 36
HIGH TEMP DETECTED 2022-09-24 11:38:20.357662
Temperature: 75
Humidity: 74
HIGH TEMP DETECTED 2022-09-24 11:38:23.396888
Temperature: 80
Humidity: 70
HIGH TEMP DETECTED 2022-09-24 11:38:26.440665
Temperature: 76
Humidity: 56
HIGH TEMP DETECTED 2022-09-24 11:38:29.497337
Temperature: 87
Humidity: 68
HIGH TEMP DETECTED 2022-09-24 11:38:32.533270
Temperature: 81
Humidity: 56
HIGH TEMP DETECTED 2022-09-24 11:38:35.582339
Temperature: 52
Humidity: 38
HIGH TEMP DETECTED 2022-09-24 11:38:38.623099
Temperature: 37
Humidity: 30
Temperature: 74
Humidity: 57
HIGH TEMP DETECTED 2022-09-24 11:38:44.706223
Temperature: 72
Humidity: 73
HIGH TEMP DETECTED 2022-09-24 11:38:47.747634
Temperature: 89
Humidity: 46
HIGH TEMP DETECTED 2022-09-24 11:38:50.794534
Temperature: 82
Humidity: 70
```