

Assignment -2

Python Programming

Assignment Date	1 october 2022
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Maximum Marks	2 Marks

Question-1:

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.

```
import random
```

```
while(True):
```

```
    temp=random.randint(1,100)
```

```
    humidity=random.randint(1,100)
```

```
    if(temp>38 and humidity>63):
```

```
        print("Very high temperature and humidity:",temp,humidity, "% Alarm is on")
```

```
    elif(temp==35 and humidity==60):
```

```
        print("Normal temperature and humidity:", temp,humidity, "% Alarm is off")
```

```
    elif(temp<18 and humidity<60):
```

```
        print("very low temperature and humidity:",temp,humidity,"% Alarm is off")
```

```
        break
```

```
    else:
```

```
        print("")
```

File Edit Shell Debug Options Window Help

Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:37:50) [MSC v.1916 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>>

=== RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python38/assign.py ===

Very high temperature and humidity: 53 74 % Alarm is on

Very high temperature and humidity: 77 87 % Alarm is on

Very high temperature and humidity: 99 93 % Alarm is on

Very high temperature and humidity: 75 72 % Alarm is on

Very high temperature and humidity: 56 93 % Alarm is on

Very high temperature and humidity: 42 100 % Alarm is on

very low temperature and humidity: 11 12 % Alarm is off

>>>