

ASSIGNMENT – 2

Python Programming

Assignment Date	27-09-2022
Student Name	Akshaya I
Student Roll Number	960219106017
Maximum Marks	2 Marks

QUESTION

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 an alarm in case of high temperature.

```
import random
```

```
while(True):
```

```
    a=random.randint(10,99)
```

```
    b=random.randint(10,99)
```

```
    if(a>35 and b>60):
```

```
        print("High temperature and humidity of:",a,b,"%","alarm is on")
```

```
    elif(a<35 and b<60):
```

```
        print("Normal temperature and humidity of:",a,b,"%","alarm is off")
```

```
Break
```

OUTPUT

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: C:/Users/ELCOT/OneDrive/Assignments/Akshaya I/assignemt2.py ====
High temperature and humidity of: 57 92 % alarm is on
High temperature and humidity of: 88 66 % alarm is on
High temperature and humidity of: 52 66 % alarm is on
High temperature and humidity of: 79 96 % alarm is on
High temperature and humidity of: 61 74 % alarm is on
Normal temperature and humidity of: 16 25 % alarm is off
>>>
==== RESTART: C:/Users/ELCOT/OneDrive/Assignments/Akshaya I/assignemt2.py ====
Normal temperature and humidity of: 14 42 % alarm is off
>>>
==== RESTART: C:/Users/ELCOT/OneDrive/Assignments/Akshaya I/assignemt2.py ====
High temperature and humidity of: 70 69 % alarm is on
Normal temperature and humidity of: 29 23 % alarm is off
>>>
==== RESTART: C:/Users/ELCOT/OneDrive/Assignments/Akshaya I/assignemt2.py ====
Normal temperature and humidity of: 28 52 % alarm is off
>>>
==== RESTART: C:/Users/ELCOT/OneDrive/Assignments/Akshaya I/assignemt2.py ====
Normal temperature and humidity of: 23 41 % alarm is off
>>> |
```