

ASSIGNMENT-2

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OBJECTIVES:-

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.

CODE:-

```
import random
```

```
while (True):
```

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

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

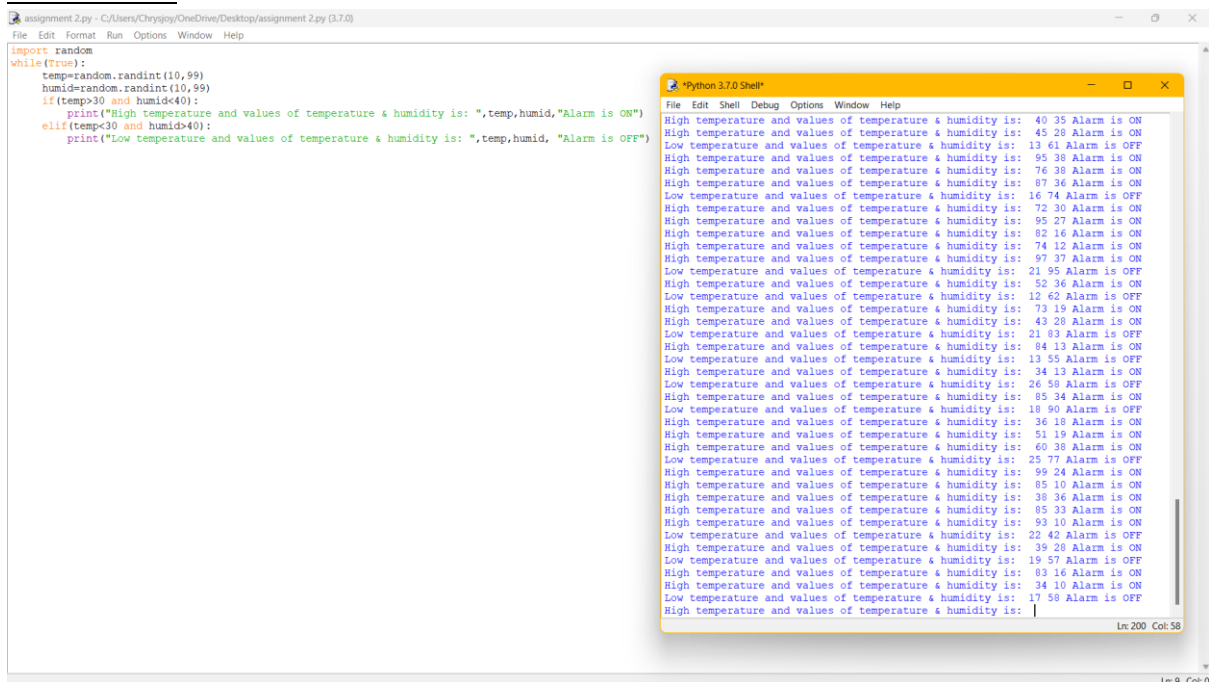
```
    if(temp>30 and humid<40):
```

```
        print("High temperature and values of temperature & humidity is:", temp, humid, "Alarm is ON")
```

```
    elif(temp<30 and humid>40 ):
```

```
        print("Low temperature and values of temperature & humidity is:", temp, humid, "Alarm is OFF")
```

OUTPUT:-



```
assignment 2.py - C:/Users/Chrysosj/OneDrive/Desktop/assignment 2.py (3.7.0)
File Edit Format Run Options Window Help

import random
while (True):
    temp=random.randint(10,99)
    humid=random.randint(10,99)
    if (temp>30 and humid<40):
        print("High temperature and values of temperature & humidity is: ",temp,humid,"Alarm is ON")
    elif(temp<30 and humid>40):
        print("Low temperature and values of temperature & humidity is: ",temp,humid, "Alarm is OFF")

Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
High temperature and values of temperature & humidity is: 40 35 Alarm is ON
High temperature and values of temperature & humidity is: 45 28 Alarm is ON
Low temperature and values of temperature & humidity is: 13 61 Alarm is OFF
High temperature and values of temperature & humidity is: 95 38 Alarm is ON
High temperature and values of temperature & humidity is: 76 38 Alarm is ON
High temperature and values of temperature & humidity is: 87 36 Alarm is ON
Low temperature and values of temperature & humidity is: 16 74 Alarm is OFF
High temperature and values of temperature & humidity is: 72 30 Alarm is ON
High temperature and values of temperature & humidity is: 95 27 Alarm is ON
High temperature and values of temperature & humidity is: 82 16 Alarm is ON
High temperature and values of temperature & humidity is: 74 12 Alarm is ON
High temperature and values of temperature & humidity is: 97 37 Alarm is ON
Low temperature and values of temperature & humidity is: 21 95 Alarm is OFF
High temperature and values of temperature & humidity is: 52 36 Alarm is ON
Low temperature and values of temperature & humidity is: 12 62 Alarm is OFF
High temperature and values of temperature & humidity is: 73 19 Alarm is ON
High temperature and values of temperature & humidity is: 43 28 Alarm is ON
Low temperature and values of temperature & humidity is: 21 83 Alarm is OFF
High temperature and values of temperature & humidity is: 84 13 Alarm is ON
Low temperature and values of temperature & humidity is: 13 55 Alarm is OFF
High temperature and values of temperature & humidity is: 34 13 Alarm is ON
Low temperature and values of temperature & humidity is: 26 58 Alarm is OFF
High temperature and values of temperature & humidity is: 85 34 Alarm is ON
Low temperature and values of temperature & humidity is: 18 90 Alarm is OFF
High temperature and values of temperature & humidity is: 36 18 Alarm is ON
High temperature and values of temperature & humidity is: 51 19 Alarm is ON
High temperature and values of temperature & humidity is: 60 38 Alarm is ON
Low temperature and values of temperature & humidity is: 25 77 Alarm is OFF
High temperature and values of temperature & humidity is: 99 24 Alarm is ON
High temperature and values of temperature & humidity is: 85 10 Alarm is ON
High temperature and values of temperature & humidity is: 38 36 Alarm is ON
High temperature and values of temperature & humidity is: 85 33 Alarm is ON
High temperature and values of temperature & humidity is: 93 10 Alarm is ON
Low temperature and values of temperature & humidity is: 22 42 Alarm is OFF
High temperature and values of temperature & humidity is: 39 28 Alarm is ON
Low temperature and values of temperature & humidity is: 19 57 Alarm is OFF
High temperature and values of temperature & humidity is: 83 16 Alarm is ON
High temperature and values of temperature & humidity is: 34 10 Alarm is ON
Low temperature and values of temperature & humidity is: 17 58 Alarm is OFF
High temperature and values of temperature & humidity is: |
Ln: 200 Col: 58
```