

## ASSIGNMENT 2

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

while(True):

    temperature=random.randint(15,90)

    humidity=random.randint(15,90)

    if (temperature>35 and humidity>55 ):

        print("High temperature and humidity of:",temperature,humidity,"Alarm is on")
    elif (temperature>35 and humidity<55):

        print("High temperature and Normal humidity of:",temperature,humidity,"Alarm is on")

    elif (temperature<35 and humidity>55):

        print("Normal temperature and High humidity of:",temperature,humidity,"Alarm is on")


    else:

        print("Normal temprature and humidity of:",temperature,humidity,"Alarm is off")
```

## OUTPUT:

```
main.py +
1 import random
2 while(True):
3     temperature=random.randint(15,90)
4     humidity=random.randint(15,90)
5     if (temperature>35 and humidity>55 ):
6         print("High temperature and humidity of:",temperature,humidity,"Alarm is on")
7     elif (temperature>35 and humidity<55):
8         print("High temperature and Normal humidity of:",temperature,humidity,"Alarm is on")
9     elif (temperature<35 and humidity>55):
10        print("Normal temperature and High humidity of:",temperature,humidity,"Alarm is on")
11    else:
12        print("Normal temprature and humidity of:",temperature,humidity,"Alarm is off")
```

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 Command Line Arguments

```
High temperature and Normal humidity of: 86 54 Alarm is on
Normal temprature and humidity of: 21 42 Alarm is off
High temperature and Normal humidity of: 72 32 Alarm is on
High temperature and Normal humidity of: 89 17 Alarm is on
High temperature and humidity of: 81 57 Alarm is on
Normal temprature and humidity of: 16 22 Alarm is off
High temperature and Normal humidity of: 56 48 Alarm is on
Normal temprature and humidity of: 29 24 Alarm is off
High temperature and humidity of: 79 83 Alarm is on
```