

## Assignment -2

Assignment Date	28 September 2022
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Maximum Marks	2 Marks

### Question:

Build a python code, assume you 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):**

**x=random.randint(10,99) y=random.randint(10,99) if(x>40 and**

**y>70): print("Alarm's high temperature and humidity is ",x,y,"%","is ON")**

**elif(x<30 and y<55):**

**print("Alarm's normal temperature and humidity is ",x,y,"%","is OFF")**

**break**

### Output:

```
import random
while(True):
    x=random.randint(10,99)
    y=random.randint(10,99)
    if(x>40 and y>70):
        print("Alarm's high temperature and humidity is ",x,y,"%","is ON")
    elif(x<30 and y<55):
        print("Alarm's normal temperature and humidity is ",x,y,"%","is OFF")
        break
```

```
Alarm's high temperature and humidity is 86 94 % is ON
Alarm's high temperature and humidity is 66 94 % is ON
Alarm's high temperature and humidity is 75 82 % is ON
Alarm's normal temperature and humidity is 22 30 % is OFF
```