

Assignment -2

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Maximum Marks	2 Marks

Question-1:

Assume u get temperature and humidity values and write a condition to continuously detect alarm in case of high temperature

ASSIGNMENT-2

```
import random

while(True):

    hum =random.randint(10,99)
    temp =random.randint(10,99)
    print("current hum:",hum,"Percentage")
    print("current temp:",temp,"Degree Celsius")
    hum_ref =80
    temp_ref =25
    if hum < hum_ref and temp > temp_ref:
        print("Alarm On")
    else:
        print("Alarm off")
        break
```

main.py

Run

```
1 #Online python compiler (interpreter) to run python online.
2 import random
3 while(True):
4     hum =random.randint(10,99)
5     temp =random.randint(10,99)
6     print("current hum:",hum,"Percentage")
7     print("current temp:",temp,"Degree Celsius")
8     hum_ref =80
9     temp_ref =25
10 if hum < hum_ref and temp > temp_ref:
11     print("Alarm On")
12 else:
13     print("Alarm off")
14 break
15
16
```

Shell

Clear

current hum: 75 Percentage
current temp: 37 Degree Celsius
Alarm On
> |