

ASSIGNMENT 2

Build a python code, Assume you get a temperature and humidity values (generated with random function to a variable) and write a condition to detect alarm in case of high temperature

CODE:

```
import random

while(True):

    temp=random.randint(10,99)
    humid=random.randint(10,99)
    print("current temperature:",temp)
    print("current humidity:",humid,"%")
    temp_ref=37
    humid_ref=35
    if temp>temp_ref and humid:
        print("Alarm On")
    else:
        print("Alarm off")
        break
```

OUTPUT:

current temperature: 82

current humidity: 11%

Alarm On

current temperature: 25

current humidity: 95%

Alarm off

← → ↻ onlinegdb.com/online_python_compiler

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main.py

```
1  """
2
3      Online Python Compiler.
4      Code, Compile, Run and Debug python program online.
5      Write your code in this editor and press "Run" button to execute it.
6
7  """
8  import random
9  while(True):
10     temp=random.randint(10,99)
11     humid=random.randint(10,99)
12     print("current temperature:",temp)
13     print("current humidity:",humid,"%")
14     temp_ref=37
15     humid_ref=35
16     if temp>temp_ref and humid:
17         print("Alarm On")
18     else:
19         print("Alarm off")
20         break
21
```

input

```
current temperature: 60
current humidity: 19 %
Alarm On
current temperature: 82
current humidity: 11 %
Alarm On
current temperature: 42
current humidity: 42 %
Alarm On
current temperature: 25
current humidity: 95 %
Alarm off

...Program finished with exit code 0
Press ENTER to exit console.
```

Windows taskbar: 14:23