

ASSIGNMENT -2

Question:

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<humid_ref:

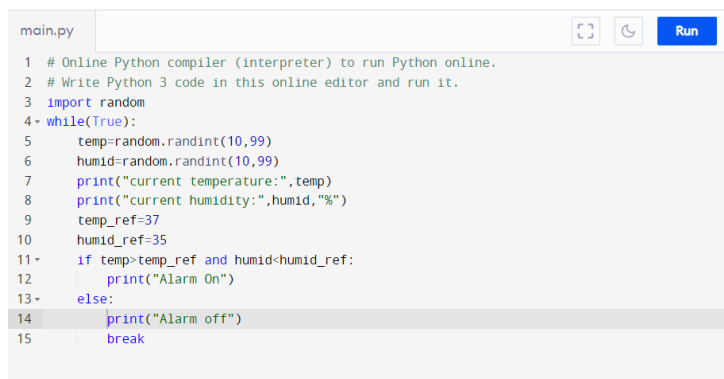
        print("Alarm On")

    else:

        print("Alarm off")

        break
```

Output:

A screenshot of an online Python compiler interface. The top bar shows 'main.py', a refresh icon, a moon icon, and a blue 'Run' button. The code area contains the following Python code:

```
1 # Online Python compiler (interpreter) to run Python online.
2 # Write Python 3 code in this online editor and run it.
3 import random
4 while(True):
5     temp=random.randint(10,99)
6     humid=random.randint(10,99)
7     print("current temperature:",temp)
8     print("current humidity:",humid,"%")
9     temp_ref=37
10    humid_ref=35
11    if temp>temp_ref and humid<humid_ref:
12        print("Alarm On")
13    else:
14        print("Alarm off")
15        break
```

The code is highlighted with a light blue background. The output area is empty.

current temperature: 92

current humidity: 21 %

Alarm On

current temperature: 28

current humidity: 57 %

Alarm off

>