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

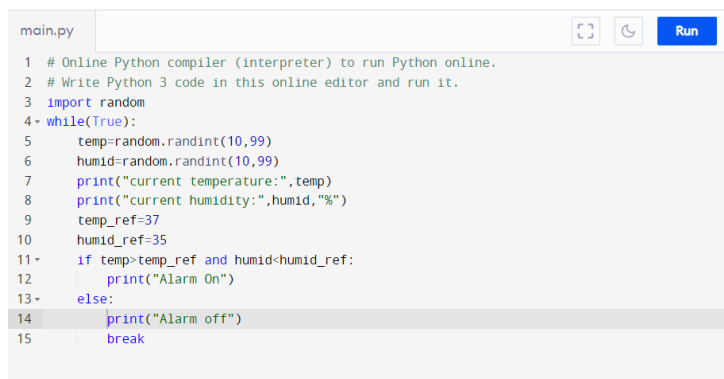if temp>temp_ref and humid<humid_ref:

  print("Alarm On")

else:

  print("Alarm off")

  break

Output:


```python
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
```

```
current temperature: 92
current humidity: 21 %
Alarm On
current temperature: 28
current humidity: 57 %
Alarm off
>
```