ASSIGNMENT – 2

PYTHON PROGRAMMING

Assignment Date	28-09-2022
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Maximum Marks	2 Marks

QUESTION 1:

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.

SOLUTION:

```python
import random

while(True):

    temperature=random.randint(20,120)

    humidity=random.randint(20,120)

    print(temperature)

    print(humidity)

    if(temperature>100 or humidity>105):

        print("Alarm on")

    else:

        print("Alarm off")
```
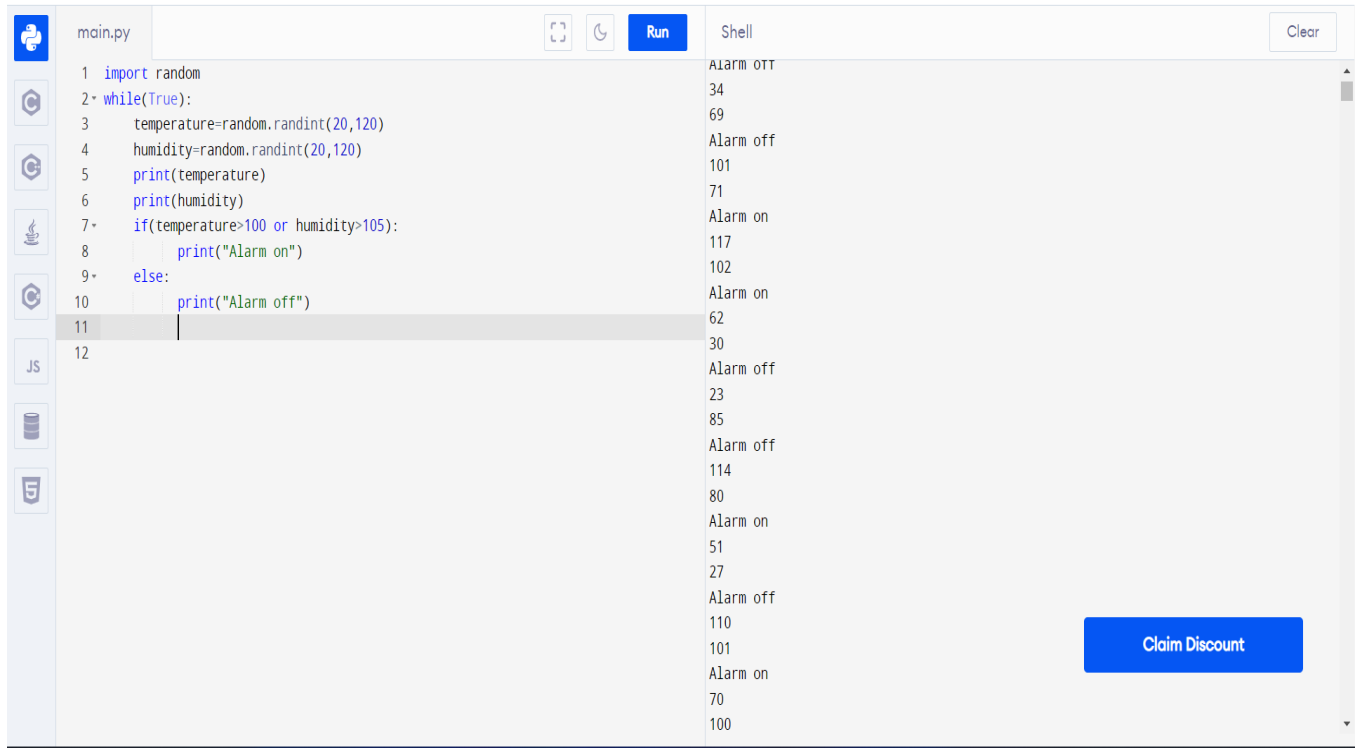
OUTPUT:

```python
import random
while(True):
    temperature=random.randint(20,120)
    humidity=random.randint(20,120)
    print(temperature)
    print(humidity)
    if(temperature>100 or humidity>105):
        print("Alarm on")
    else:
        print("Alarm off")
```

```
Alarm off
34
69
Alarm off
101
71
Alarm on
117
102
Alarm on
62
30
Alarm off
23
85
Alarm off
114
80
Alarm on
51
27
Alarm off
110
101
Alarm on
70
100
```