

Assignment-2

Python Programming

Date	23 September 2022
Team ID	PNT2022TMID31899
Student Register Number	721219106038
Maximum Marks	2 Marks

Question-1:

Write a Program for Generate random temperature and Alert when the temperature is more than 60 °C.

Solution:

Import random

Import time

While (1) :

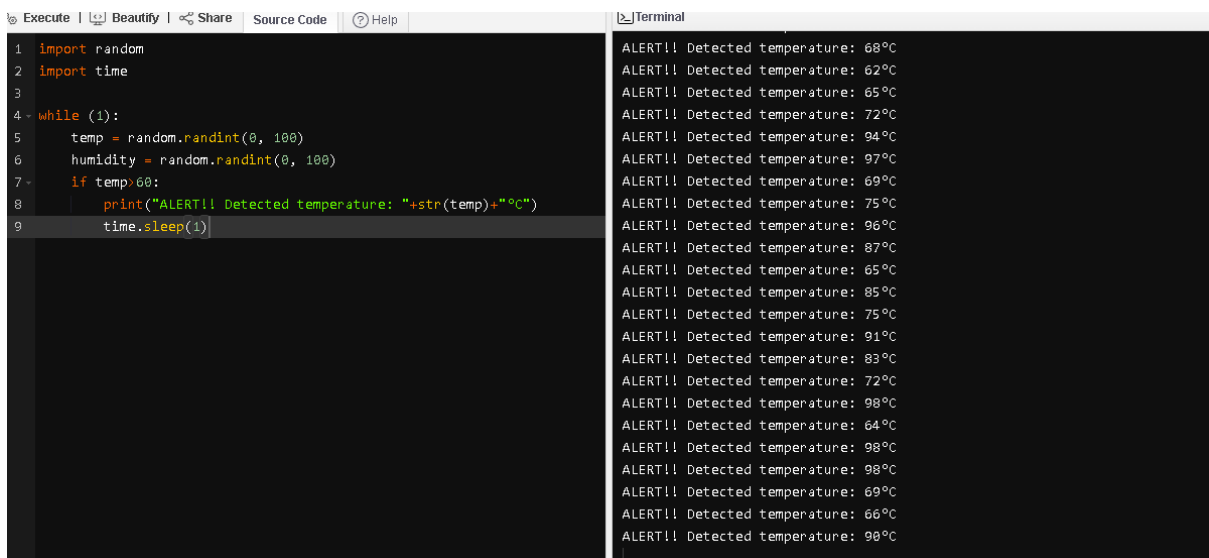
temp = random.randint(0, 100)

humidity = random.randint(0, 100)

if temp>60 :

print("ALERT!! Detected temperature: " +str(temp)+ "°C")

time.sleep(1)



```
1 import random
2 import time
3
4 while (1):
5     temp = random.randint(0, 100)
6     humidity = random.randint(0, 100)
7     if temp>60:
8         print("ALERT!! Detected temperature: "+str(temp)+"°C")
9         time.sleep(1)
```

Terminal Output:

```
ALERT!! Detected temperature: 68°C
ALERT!! Detected temperature: 62°C
ALERT!! Detected temperature: 65°C
ALERT!! Detected temperature: 72°C
ALERT!! Detected temperature: 94°C
ALERT!! Detected temperature: 97°C
ALERT!! Detected temperature: 69°C
ALERT!! Detected temperature: 75°C
ALERT!! Detected temperature: 96°C
ALERT!! Detected temperature: 87°C
ALERT!! Detected temperature: 65°C
ALERT!! Detected temperature: 85°C
ALERT!! Detected temperature: 75°C
ALERT!! Detected temperature: 91°C
ALERT!! Detected temperature: 83°C
ALERT!! Detected temperature: 72°C
ALERT!! Detected temperature: 98°C
ALERT!! Detected temperature: 64°C
ALERT!! Detected temperature: 98°C
ALERT!! Detected temperature: 98°C
ALERT!! Detected temperature: 69°C
ALERT!! Detected temperature: 66°C
ALERT!! Detected temperature: 98°C
```

