

Assignment 2

Name	Aathis kumar M
Register Number	714019106001

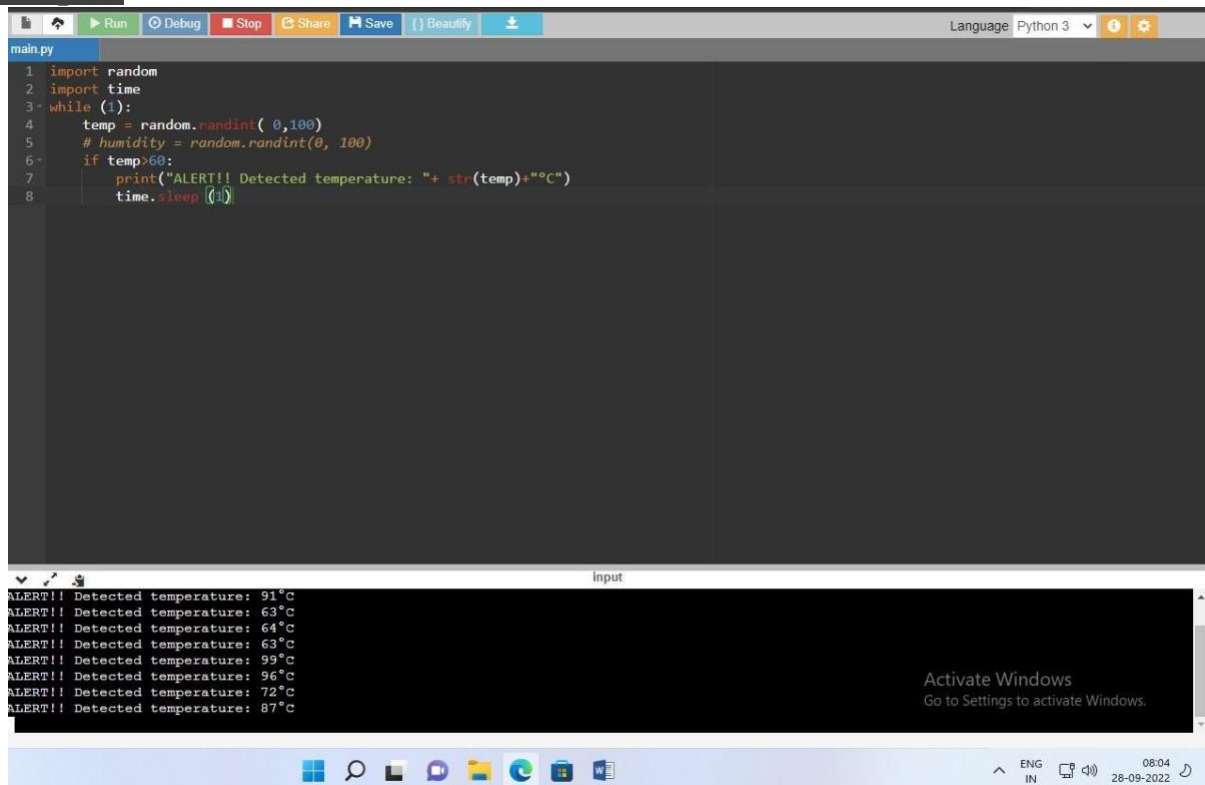
Question:

Build a python code, assume u 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.

Code :

```
import random
import time
while (1):
    temp = random.randint(0,100)
    if temp>60:
        print("ALERT!! Detected temperature: "+ (temp)+"°C")
        time.sleep (1)
```

Output:



The screenshot shows a Python IDE with the following code in a file named 'main.py':

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

The output window shows the following output:

```
ALERT!! Detected temperature: 91°C
ALERT!! Detected temperature: 63°C
ALERT!! Detected temperature: 64°C
ALERT!! Detected temperature: 63°C
ALERT!! Detected temperature: 99°C
ALERT!! Detected temperature: 96°C
ALERT!! Detected temperature: 72°C
ALERT!! Detected temperature: 87°C
```

The IDE interface includes a toolbar with buttons for Run, Debug, Stop, Share, Save, and Beautify. The language is set to Python 3. The Windows taskbar is visible at the bottom, showing the time as 08:04 on 28-09-2022.