

Assignment 2

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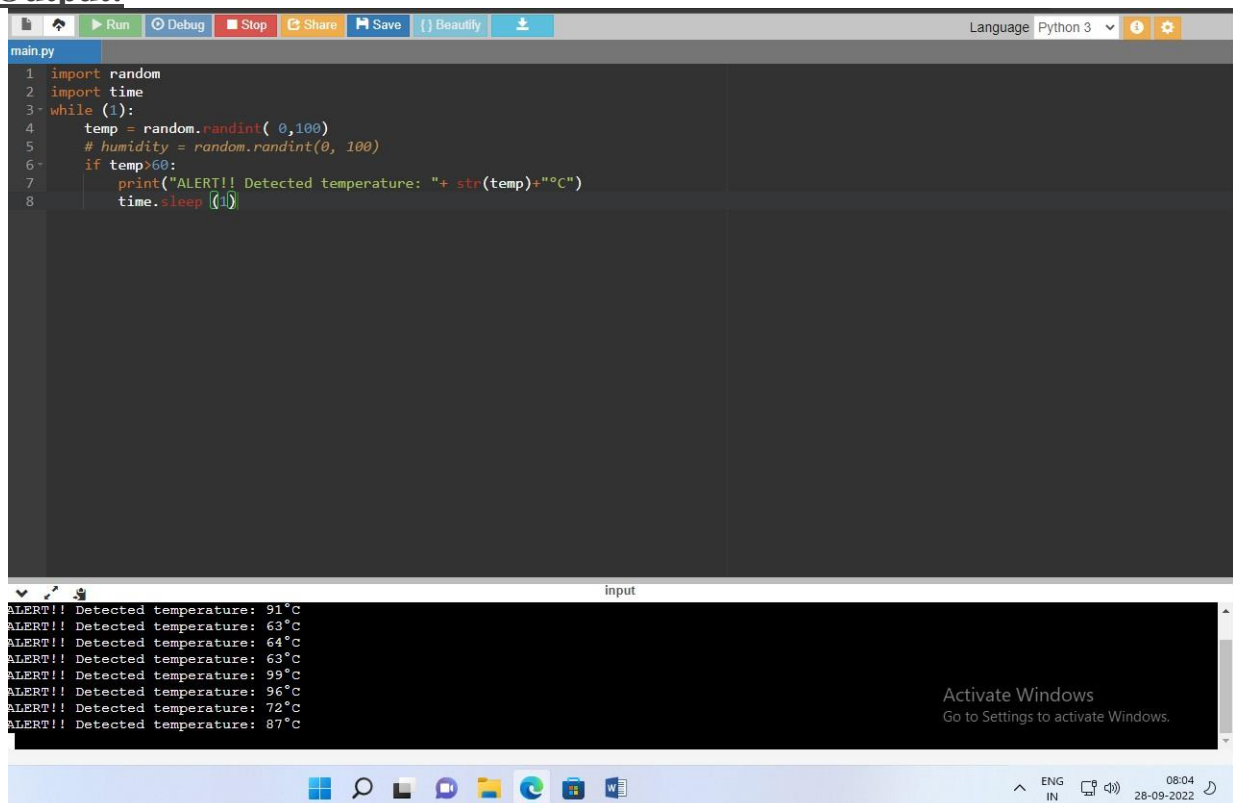
Question:

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 results:

```
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 at the bottom shows the time as 08:04 on 28-09-2022.