

## Assignment 2

***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.***

```
import random

import time

while (1):

    temp = random.randint( 0, 100)

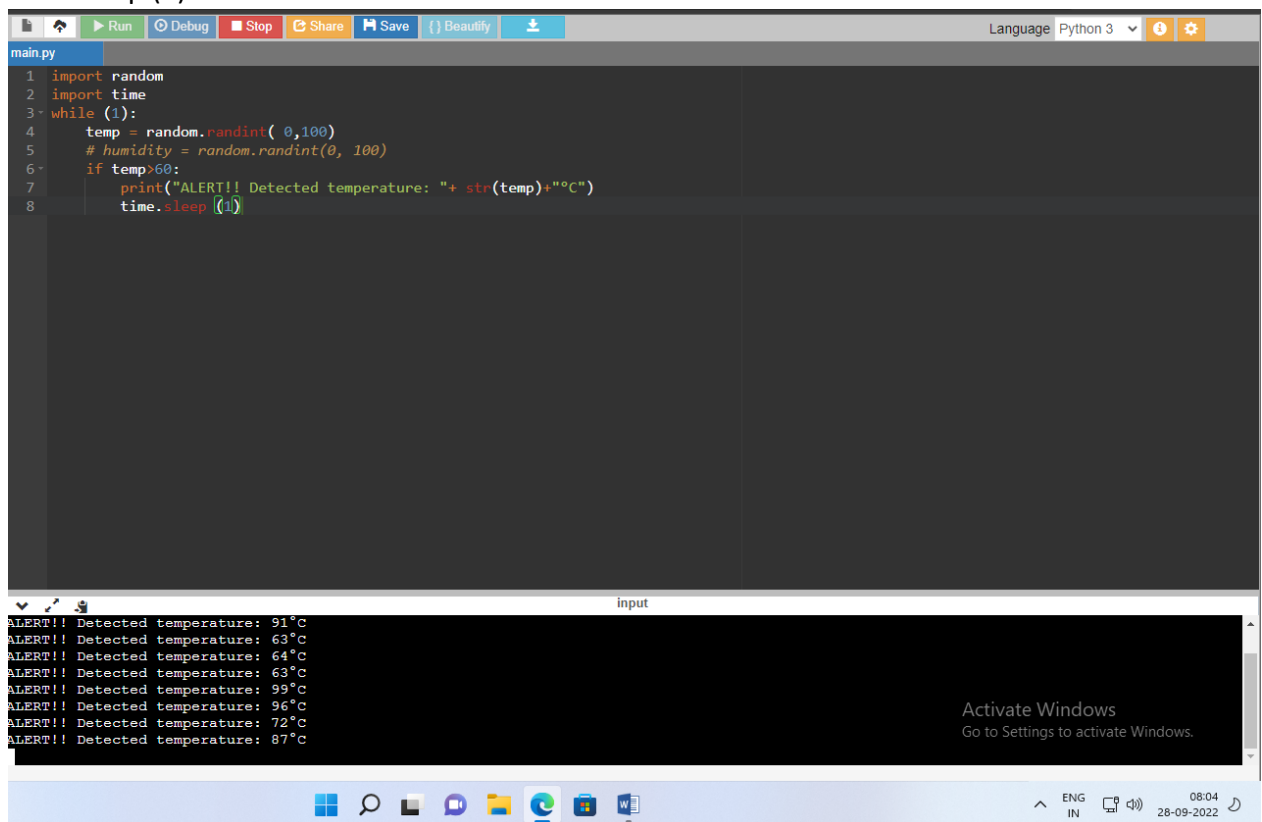
    humidity = random. (0, 100)

    if temp>60:

        print("ALERT!! Detected temperature: "+

        (temp)+"°C")

    time.sleep (1)
```



The screenshot shows a Python IDE window titled 'main.py' with the following code:

```
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 IDE's output console at the bottom displays the following alerts:

```
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 Windows taskbar at the bottom shows the system clock as 08:04 on 28-09-2022.