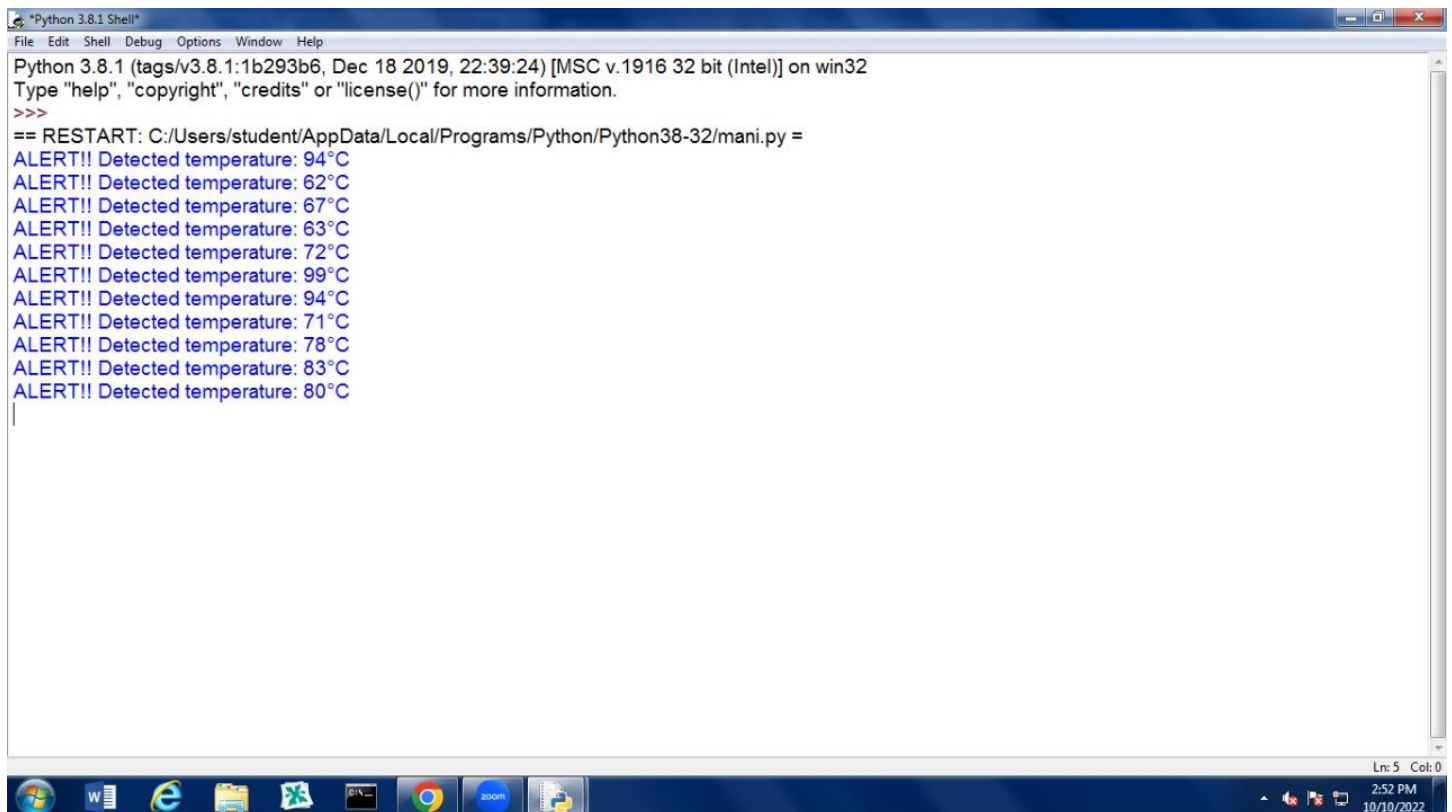


# HIGH TEMPERATURE DETECTION USING PYTHON

## CODE:

```
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)
```

## OUTPUT:

A screenshot of a Windows desktop environment. The main window is titled "Python 3.8.1 Shell" and contains the output of a Python script. The script generates random temperature values and prints an alert whenever the temperature is above 60°C. The output shows ten consecutive alerts with temperatures ranging from 62°C to 99°C. The Windows taskbar at the bottom shows various application icons including Word, Edge, File Explorer, and Zoom, along with the system clock indicating 2:52 PM on 10/10/2022.

```
*Python 3.8.1 Shell*
File Edit Shell Debug Options Window Help
Python 3.8.1 (tags/v3.8.1:1b293b6, Dec 18 2019, 22:39:24) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
== RESTART: C:/Users/student/AppData/Local/Programs/Python/Python38-32/mani.py =
ALERT!! Detected temperature: 94°C
ALERT!! Detected temperature: 62°C
ALERT!! Detected temperature: 67°C
ALERT!! Detected temperature: 63°C
ALERT!! Detected temperature: 72°C
ALERT!! Detected temperature: 99°C
ALERT!! Detected temperature: 94°C
ALERT!! Detected temperature: 71°C
ALERT!! Detected temperature: 78°C
ALERT!! Detected temperature: 83°C
ALERT!! Detected temperature: 80°C
|
```