

**Assignment -2 Python**  
Programming

Assignment Date	19 September 2022
Student Name	SIVA.S
Student Roll Number	210219106034
Maximum Marks	2 Marks

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 from time import sleep def generate\_values():

```
    temperature = random.randint(15, 50) humidity =  
    random.randint(10, temperature) return humidity,  
    temperature humidity = temperature = 0 while  
    temperature < 45: humidity, temperature =  
    generate_values() print('Humidity:', humidity,  
'Temperature:', temperature) sleep(0.50) print('High  
Temperature Detected')
```

**OUTPUT**

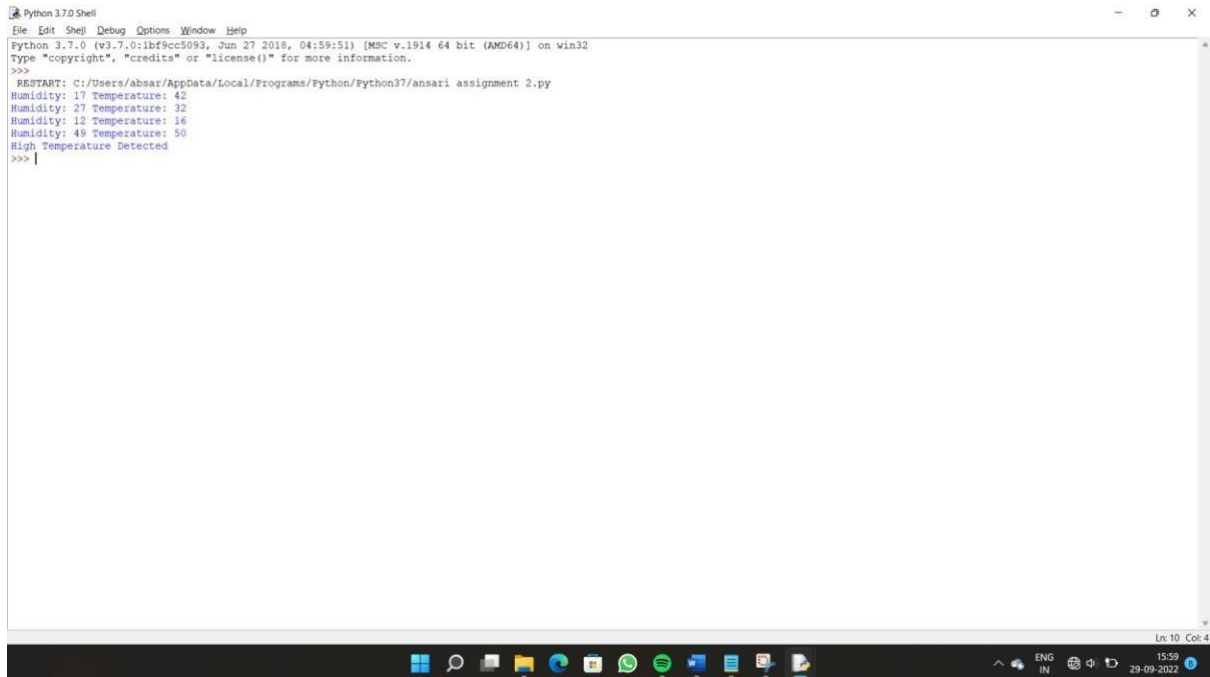
Humidity: 17 Temperature: 42

Humidity: 27 Temperature: 32

Humidity: 12 Temperature: 16

Humidity: 49 Temperature: 50

## High Temperature Detected



A screenshot of a Windows desktop with a Python 3.7.0 Shell window open. The window title is "Python 3.7.0 Shell" and it has a menu bar with "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The shell displays the following text:

```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2019, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
RESTART: C:/Users/absar/AppData/Local/Programs/Python/Python37/ansari assignment 2.py
Humidity: 17 Temperature: 42
Humidity: 27 Temperature: 32
Humidity: 12 Temperature: 16
Humidity: 49 Temperature: 50
High Temperature Detected
>>> |
```

The Windows taskbar is visible at the bottom, showing the Start button, search icon, and several application icons. The system tray on the right shows the language set to "ENG IN", the date "29-09-2022", and the time "15:59". The window status bar at the bottom right indicates "Ln 10 Col 4".