

Daily Journal

Date	@August 7, 2023
Files & media	1.py 2.py 3.py 4.py 5.html 6.html 7.html
Tags	Introduction to Python Programming

Module

Introduction to Python Programming

Objectives

To gain knowledge of the syntax, printing statements, variables, data types, if else statements, loops, etc. of the Python programming language.

Key Concepts

Python Loops

If Else statements

Python data types

CSS Designing

Python Basics

Code Snippets

The screenshot shows a Microsoft Visual Studio Code (VS Code) interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, Help, and a tab labeled Day 1. The Explorer sidebar on the left lists files: 1.py, 2.py, 3.py, 4.py (the active file), 5.html, 6.html, and 7.html. Below these are two screenshots: Screenshot 2023-08-07 172717.png and Screenshot 2023-08-07 172809.png. The main editor area contains the following Python code:

```
4.py > ...
1 # Python program to find the largest number among the three input numbers
2
3 num1=int(input("Enter First Integer"))
4 num2=int(input("Enter Second Integer"))
5 num3=int(input("Enter Third Integer"))
6
7 if (num1>num2) and (num1>num3):
8     largest= num1
9 elif(num2>num1) and (num2>num3):
10    largest= num2
11 else:
12    largest= num3
13
14 print("Largest number among this three numbers is:",largest)
15
```

The terminal at the bottom shows the execution of the code:

```
<class 'int'>
PS C:\Users\admin\Desktop\Training\Day 1> c: & cd 'C:\Users\admin\Desktop\Training\Day 1'; & 'C:\Users\admin\AppData\Local\Microsoft\WindowsApps\python3.11.exe' 'C:\Users\admin\.vscode\extensions\ms-python.python\2023.14.0\pythonFiles\lib\python\debugger\adapter\..\..\debugger\launcher' '59306' ... 'C:\Users\admin\Desktop\Training\Day 1\4.py'
Enter First Integer5
Enter Second Integer6
Enter Third Integer7
Largest number among this three numbers is: 7
PS C:\Users\admin\Desktop\Training\Day 1>
```

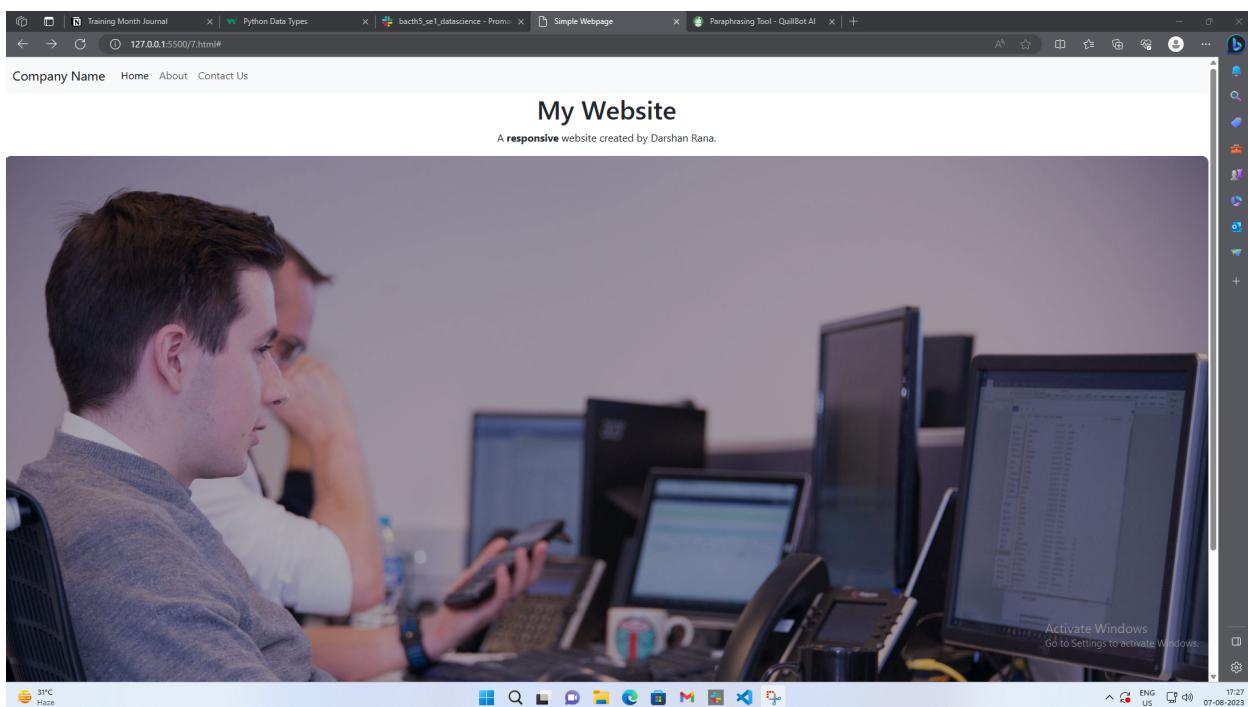
At the bottom right, the status bar indicates: Activate Windows Go to Settings to activate Windows. The bottom navigation bar includes icons for Home, Find, Replace, Save, Undo, Redo, and others.

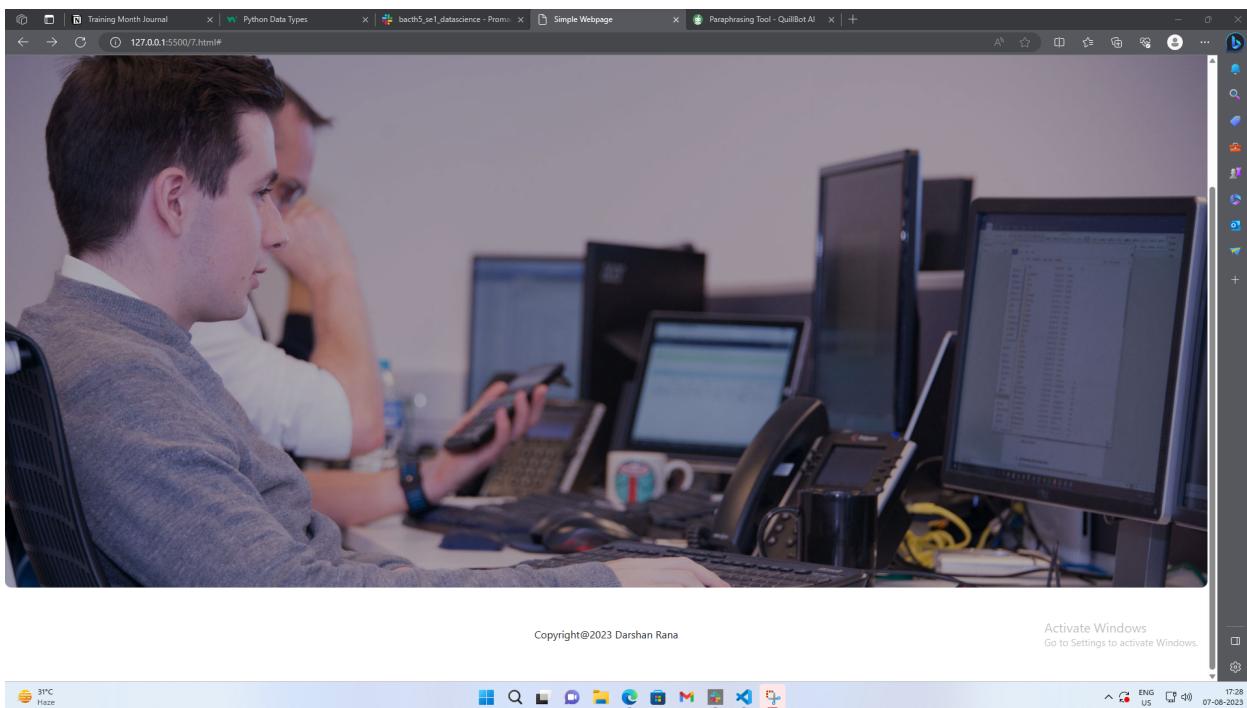
A screenshot of a Microsoft Windows desktop environment. In the foreground, a code editor window is open, showing Python and HTML code. The code editor interface includes tabs for files like 1.py, 2.py, 3.py, 4.py, 5.html, 6.html, and 7.html. The main pane displays an HTML template with a navigation bar and a footer. In the background, a file explorer window is visible, showing several screenshot files from 2023-08-07, such as 'Screenshot 2023-08-07 172717.png' and 'Screenshot 2023-08-07 172809.png'. The taskbar at the bottom shows icons for various applications, and the system tray indicates the date as 07-08-2023.

The screenshot shows the Microsoft Visual Studio Code interface with the following details:

- File Explorer:** Shows files in the current workspace, including `1.py`, `2.py` (the active file), `3.py`, `4.py`, `5.html`, `6.html`, and `7.html`. It also lists screenshots from previous days.
- Code Editor:** The `2.py` file contains Python code demonstrating various concepts like variables, functions, and data types. The code includes:

```
1 #!/usr/bin/env python3
2 # # myVar = "John"
3 # # myVar = "John"
4 # # assign multiple var at one time
5 p,q,r=1,2,3
6 print(p,r)
7
8 fruits=["apple","banana","graps"]
9 x,y,z=fruits
10 print(x)
11
12 # global variables
13 x="awesome"
14 def myfunc():
15     print("Python is "+x)
16
17 myfunc()
18
19 # If you create a variable with the same name inside a function, this variable will be local, and can only be used inside the function. The global variable with the same name will remain
20 x = "awesome"
21
22 def myfunc():
23     x = "fantastic"
24     print("Python is " + x)
25
26 myfunc()
27
28 print("Python is " + x)
29
30 # supported data types in python
31 int
32 float
33 str
34 list
35 tuple
36
37
38
```
- Terminal:** Displays the output of running the script, showing the execution of the print statements and the definition of the `myfunc` function.
- Status Bar:** Shows the path as `PS C:\Users\admin\Desktop\Training\Day 1> cd 'c:\Users\admin\Desktop\Training\Day 1'; & 'C:\Users\admin\AppData\Local\Microsoft\WindowsApps\python3.11.exe' 'c:\Users\admin\vscode\extensions\les-py\`, the line number as `Ln 58, Col 5`, and other system information.
- Bottom Bar:** Includes icons for file operations, search, and navigation.





Challenges and Solutions

My understanding of this module has not presented any issues to me yet on the first day of training, so I am free to do the duties at hand today. However, if I encounter problems or challenges in the future, I will have to work diligently to find solutions on my own.

Questions and Clarifications

I don't have any questions about this training session as of right now, but if I do, I will let you know.

Reflection

My knowledge of python, html, and CSS has increased as a result of today's session, which also clarified several questions I had.

Resources and References

[Python Tutorial \(w3schools.com\)](https://www.w3schools.com/python/)

[CSS Layout - inline-block \(w3schools.com\)](https://www.w3schools.com/css/css_layout_inline-block.asp)

[CSS Layout - Horizontal & Vertical Align \(w3schools.com\)](https://www.w3schools.com/css/css_layout_align.asp)

[Python For Loops \(w3schools.com\)](#)

[Python Data Types \(w3schools.com\)](#)

Action Items

Install VS Code

Download Python Extension

Made Python files with (.py) and run the codes

Made HTML files for a given tasks

Made simple web page for that included navbar and footer and some basic content.