Day-1 (Inroduction to Python)
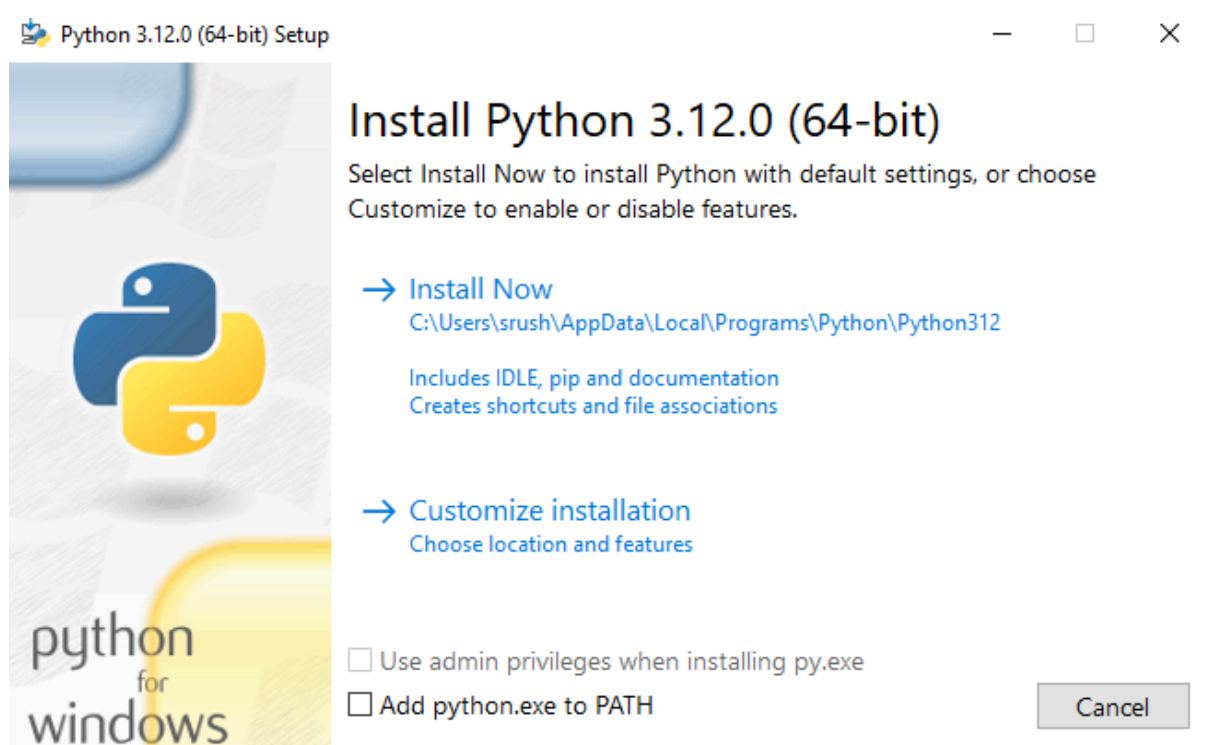
Install Python software:

Download Python: Visit the official Python website at https://www.python.org/downloads/windows/ and download the latest Python installer for Windows. Choose the version that matches your system (e.g., 32-bit or 64-bit).

Install Python: Click "Install Now" to start the installation process. Python will be installed on your system

Verify: To verify that Python was installed correctly, open the Command Prompt (search for "cmd" in the Windows Start menu) or terminal, and type python --version. You should see the installed Python version displayed.
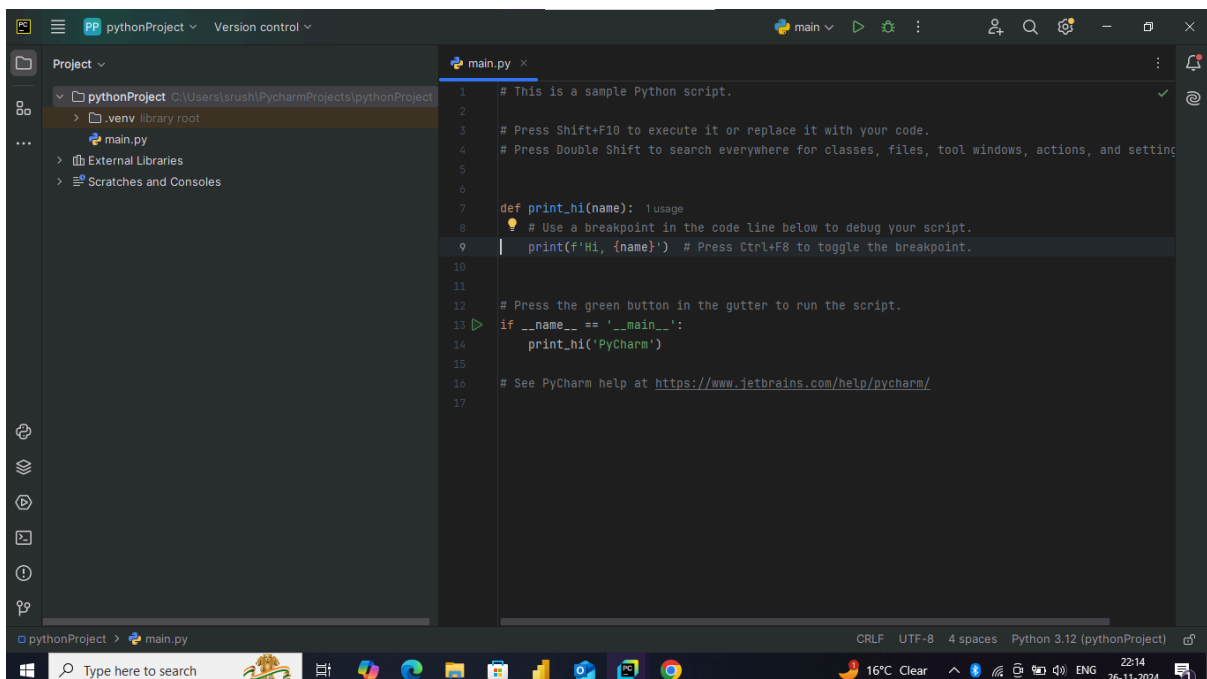
```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

(.venv) PS C:\Users\srush\PycharmProjects\AnudipPython> python --version
Python 3.12.6
```
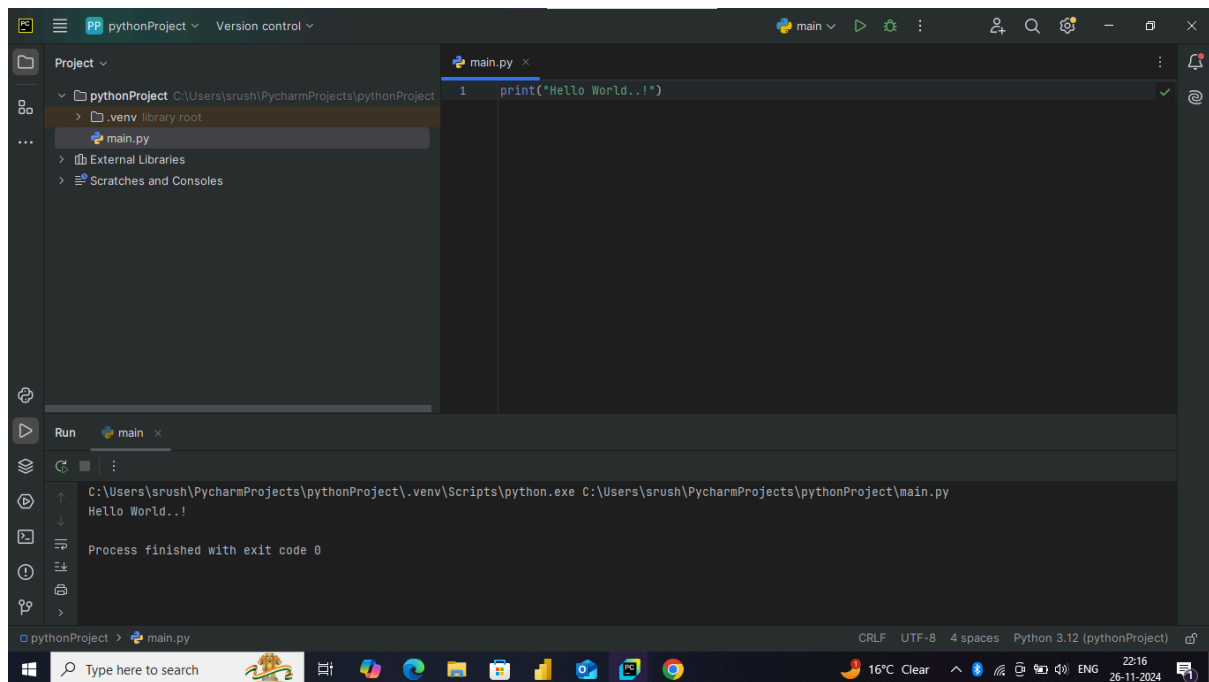
Python editors and IDE: Pycharm

- PyCharm is a powerful Python IDE developed by JetBrains.

- It offers many features, including code completion, code navigation, integrated testing, debugging, and web development support.

- Comes in both a free Community edition and a paid Professional edition.

Problem Statement: Write a program in Python to print 'Hello World' on the display screen


```Python
print("Hello World")
```

Q.2 Describe local variable and global variable code

```Python
day = "friday" #Global variable which can be use anywhere in the code

def week(): #function week is defined using def keyword

    day = "Thursday" #Local Variable can  be used within function only

    print(day) #will give an output as Thursay
week() #call function


print(day) #will give an output as Friday
```
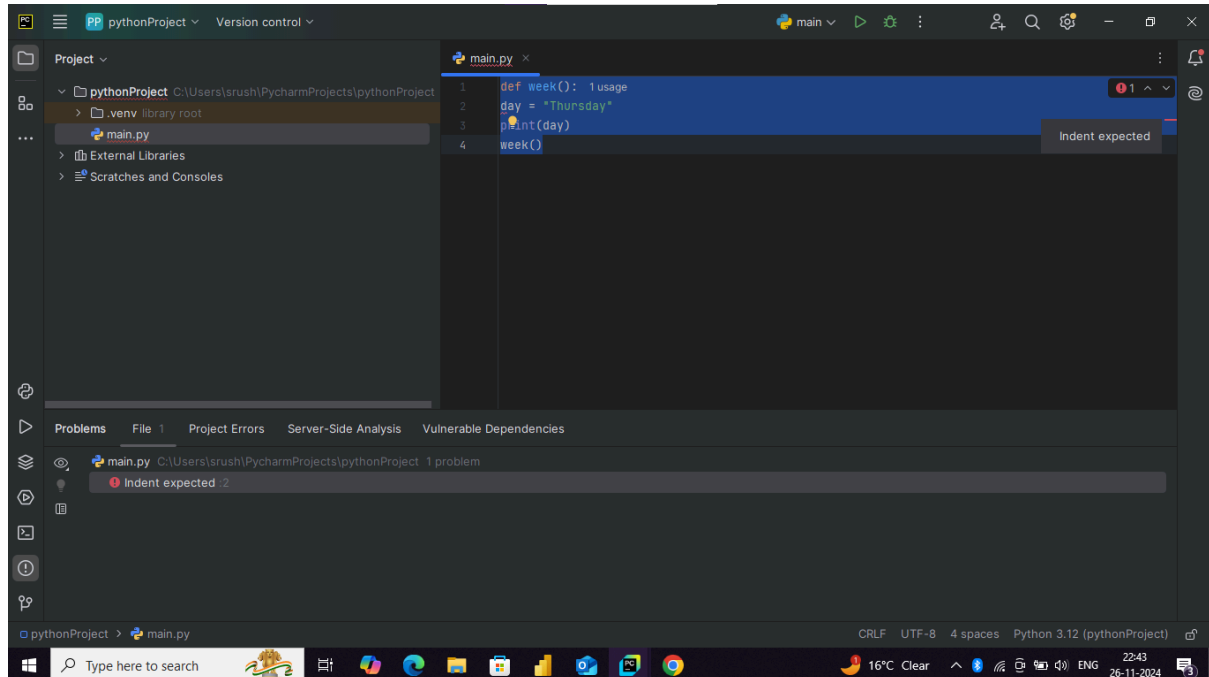
Write a code that describes the Indentation error

Q.4 Write a code that describes local and global variables with the same name.

Here, Day is a local as well as global variable having the same name

```Python
day = "friday" #Global variable which can be use anywhere in the code

def week(): #function week is defined using def keyword

day = "Thursday" #Local Variable can  be used within function only

print(day) #will give an output as Thursay
week() #call function


print(day) #will give an output as Friday
```

Write a code for string, int and float input.

```python
# Input an integer
Num = int(input("Enter a number: ")
print(Num
)
# Input a string
Str = input("Enter a string: ")
print(Str)

# Input a float
float_num = float(input("Enter a floating-point number: "))
print(float_num)
```