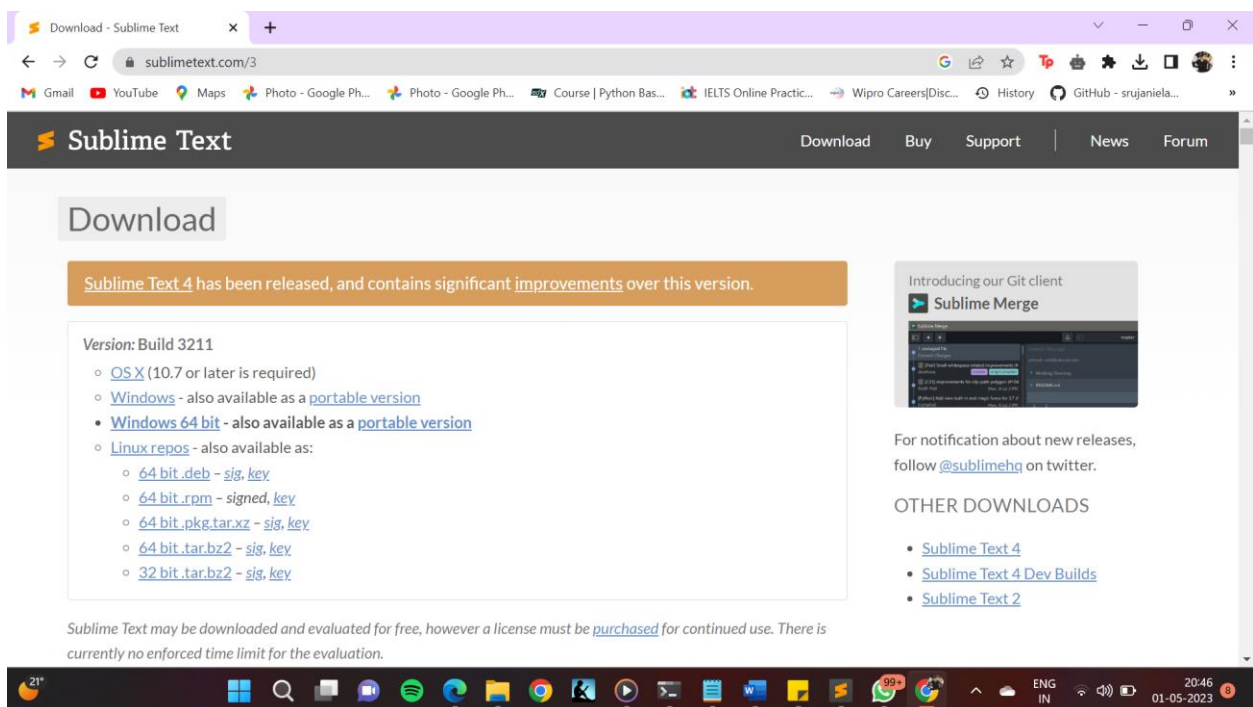


## Python GUI Developing tool:

Sublime Text is a popular text editor used for programming and code editing. It is known for its minimalist interface, powerful customization options, and extensive package ecosystem. Sublime Text supports many programming languages and features syntax highlighting, code autocompletion, and a range of productivity features to improve coding speed and accuracy. It is available for Windows, macOS, and Linux operating systems.

Download link : <https://www.sublimetext.com/3>



The screenshot shows the Sublime Text website's download page. The browser's address bar displays 'sublimetext.com/3'. The page features a dark header with the Sublime Text logo and navigation links for Download, Buy, Support, News, and Forum. A prominent orange banner announces 'Sublime Text 4 has been released, and contains significant improvements over this version.' Below this, a section titled 'Download' lists the version as 'Build 3211' and provides links for OS X, Windows (including portable versions), and Linux repositories. It also lists specific download links for 64-bit and 32-bit versions in .deb, .rpm, .tar.xz, and .bz2 formats. To the right, there is a section for 'Sublime Merge' and a list of 'OTHER DOWNLOADS' including Sublime Text 4, Sublime Text 4 Dev Builds, and Sublime Text 2. A footer note states that Sublime Text can be downloaded and evaluated for free, but a license must be purchased for continued use. The Windows taskbar at the bottom shows the time as 20:46 on 01-05-2023.

Download - Sublime Text

sublimetext.com/3

Sublime Text

Download Buy Support News Forum

Download

Sublime Text 4 has been released, and contains significant improvements over this version.

Version: Build 3211

- OS X (10.7 or later is required)
- Windows - also available as a portable version
- Windows 64 bit - also available as a portable version
- Linux repos - also available as:
  - 64 bit .deb - sig, key
  - 64 bit .rpm - signed, key
  - 64 bit .pkg.tar.xz - sig, key
  - 64 bit .tar.bz2 - sig, key
  - 32 bit .tar.bz2 - sig, key

Introducing our Git client  
Sublime Merge

For notification about new releases, follow @sublimehq on twitter.

OTHER DOWNLOADS

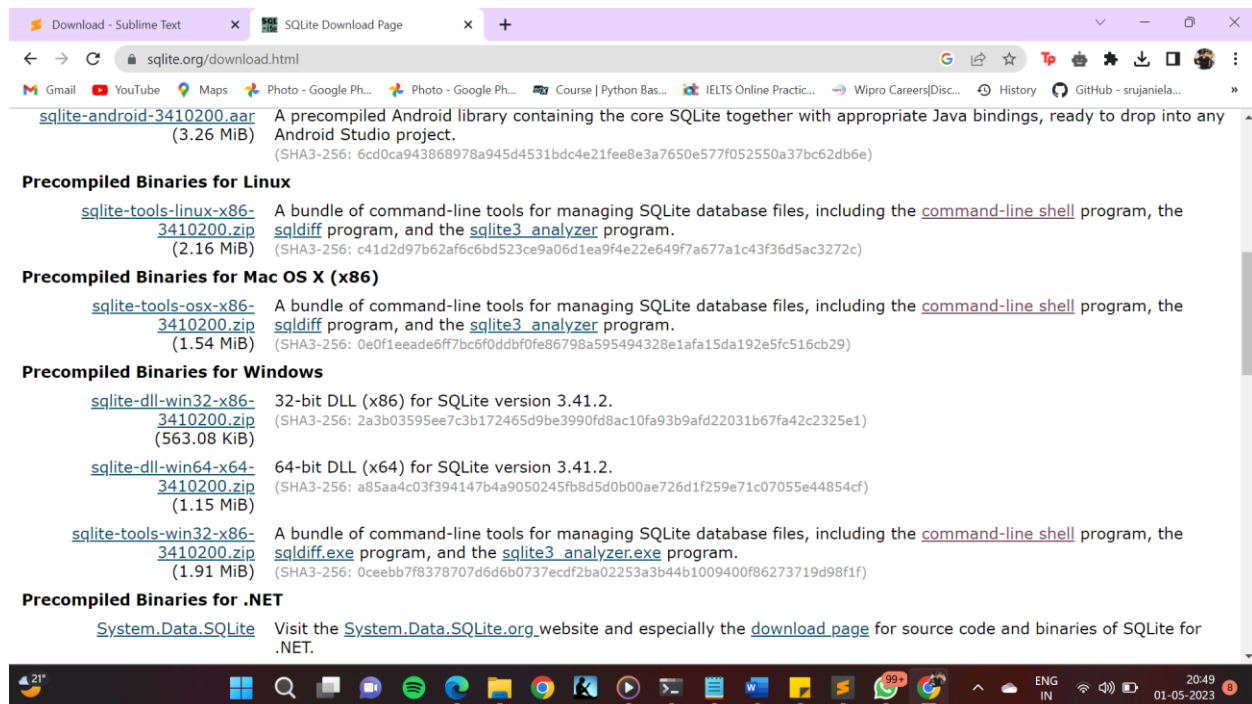
- Sublime Text 4
- Sublime Text 4 Dev Builds
- Sublime Text 2

Sublime Text may be downloaded and evaluated for free, however a license must be purchased for continued use. There is currently no enforced time limit for the evaluation.

## SQLITE3:

SQLite3 is a software library that provides a relational database management system. It is embedded into various operating systems and applications, and it allows developers to implement a compact, self-contained, and serverless database engine. SQLite3 is commonly used in mobile apps, web browsers, and other software that requires a small, fast, and reliable database solution. It uses a SQL-based syntax for data manipulation and retrieval and is considered one of the most widely deployed database engines in the world.

Download link: <https://www.sqlite.org/download.html>



The screenshot shows a web browser window with the address bar displaying `sqlite.org/download.html`. The page content is as follows:

[sqlite-android-3410200.aar](#) (3.26 MiB)  
A precompiled Android library containing the core SQLite together with appropriate Java bindings, ready to drop into any Android Studio project.  
(SHA3-256: 6cd0ca943868978a945d4531bdc4e21fee8e3a7650e577f052550a37bc62db6e)

**Precompiled Binaries for Linux**

[sqlite-tools-linux-x86-3410200.zip](#) (2.16 MiB)  
A bundle of command-line tools for managing SQLite database files, including the [command-line shell](#) program, the [sqldiff](#) program, and the [sqlite3 analyzer](#) program.  
(SHA3-256: c41d2d97b62af6c6bd523ce9a06d1ea9f4e22e649f7a677a1c43f36d5ac3272c)

**Precompiled Binaries for Mac OS X (x86)**

[sqlite-tools-osx-x86-3410200.zip](#) (1.54 MiB)  
A bundle of command-line tools for managing SQLite database files, including the [command-line shell](#) program, the [sqldiff](#) program, and the [sqlite3 analyzer](#) program.  
(SHA3-256: 0e0f1eeade6ff7bc6f0ddb0fe86798a595494328e1afa15da192e5fc516cb29)

**Precompiled Binaries for Windows**

[sqlite-dll-win32-x86-3410200.zip](#) (563.08 KiB)  
32-bit DLL (x86) for SQLite version 3.41.2.  
(SHA3-256: 2a3b03595ee7c3b172465d9be3990fd8ac10fa93b9afd22031b67fa42c2325e1)

[sqlite-dll-win64-x64-3410200.zip](#) (1.15 MiB)  
64-bit DLL (x64) for SQLite version 3.41.2.  
(SHA3-256: a85aa4c03f394147b4a9050245fb8d5d0b00ae726d1f259e71c07055e44854cf)

[sqlite-tools-win32-x86-3410200.zip](#) (1.91 MiB)  
A bundle of command-line tools for managing SQLite database files, including the [command-line shell](#) program, the [sqldiff.exe](#) program, and the [sqlite3 analyzer.exe](#) program.  
(SHA3-256: 0cee7b7f8378707d6d6b0737ecdf2ba02253a3b44b1009400f86273719d98f1f)

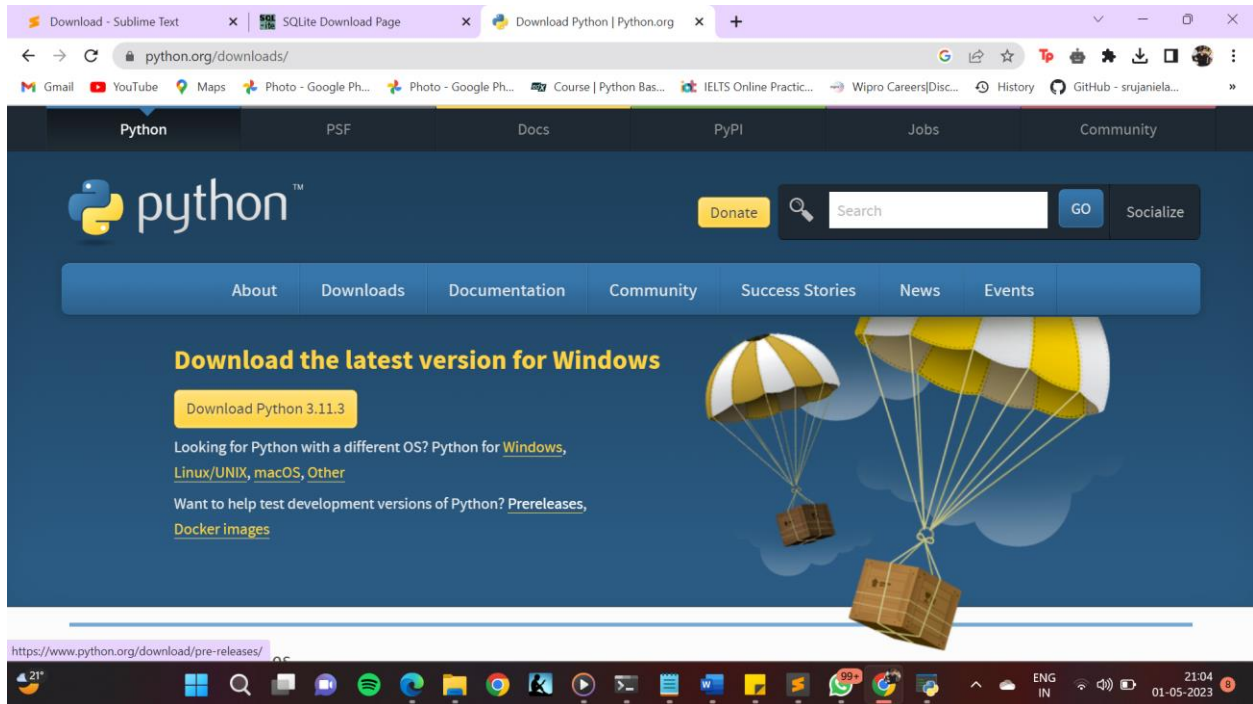
**Precompiled Binaries for .NET**

[System.Data.SQLite](#) Visit the [System.Data.SQLite.org](#) website and especially the [download page](#) for source code and binaries of SQLite for .NET.

## Python Installation:

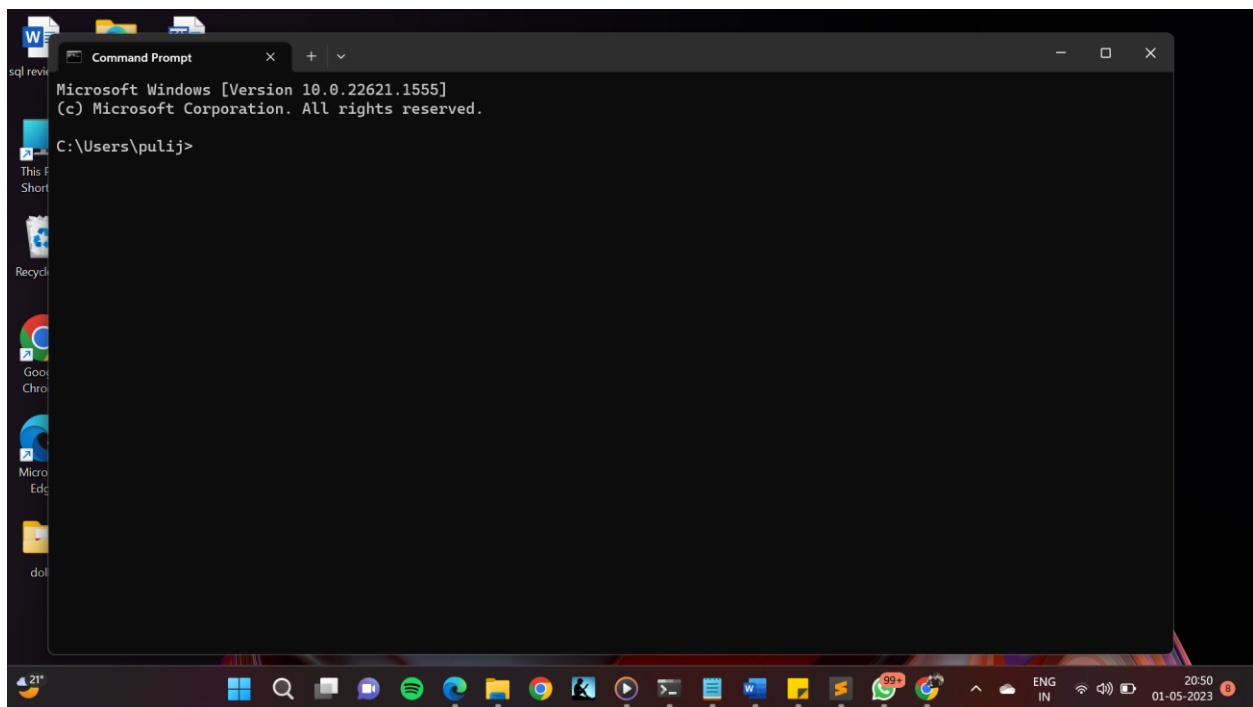
Python must be installed on to your Windows as we are using Python GUI for implementation.

Download link: <https://www.python.org/downloads/>



Command prompt:

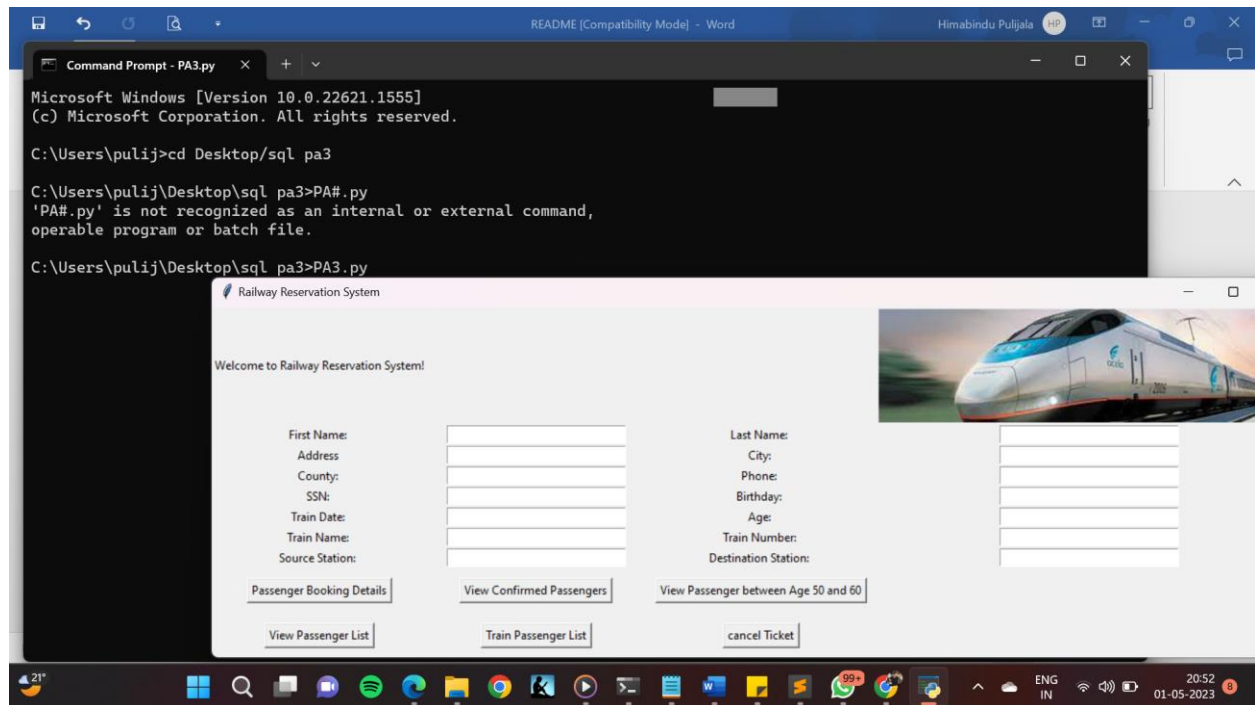
Through command prompt we will be directed to the folder where our project is placed. Our project is in the placed in the path 'C:\Users\pulij\Desktop\sql pa3'.



After going into the folder, we need to give command as > python3 PA3.py

`python3` is the command used to run Python version 3 and later on the terminal or command prompt. It is used to execute Python scripts or open a Python interpreter shell to interactively write and run Python code.

PA3.py is the name our programming file. Once successfully execute our code without any errors, the GUO window will be opened as shown.



## Queries:

### SQL Query 1:

```
SELECT Train.'Train Name', Train.'Train Number', booked.Ticket_Type,  
Booked.Status
```

```
from train
```

```
join booked on Train.'Train Number' = Booked.Train_Number
```

```
join passenger on passenger.SSN = Booked.Passanger_ssn
```

where Passenger.last\_name = ? and passenger.first\_name = ? ;

## **SQL QUERY 2:**

SELECT distinct passenger.first\_name, passenger.last\_name,

Booked.Ticket\_Type, Booked.Status

FROM Passenger, Booked,Train,Train\_status

Where passenger.SSN = Booked.Passanger\_ssn

and Booked.Train\_Number = Train.'Train Number'

And Booked.Status = 'Booked'

AND Train\_status.TrainDate = ? ;

## **SQL QUERY 4:**

SELECT Train.'Train Name', COUNT(Booked.Passanger\_ssn) AS

Passenger\_Count

FROM Train JOIN Booked ON Train.'Train Number' = Booked.Train\_Number

GROUP BY Train.'Train Name';

## **SQL Query 5:**

```
SELECT Passenger.first_name, Passenger.last_name, Booked.Ticket_Type  
  
FROM Booked, passenger, train  
  
where Booked.Train_Number = Train.'Train Number' and  
  
Booked.Passanger_ssn = Passenger.SSN and Train.'Train Name' = ? AND  
  
Booked.Status = 'Booked';
```