Procedure to Create Graphical user Interface (GUI) with Python and mySQL Database

This is a Graphical user Interface(GUI) that uses Python and MySQL(Database)

1) You have to download python from (www.python.org) ---
2) Follow this method:

Fig -1
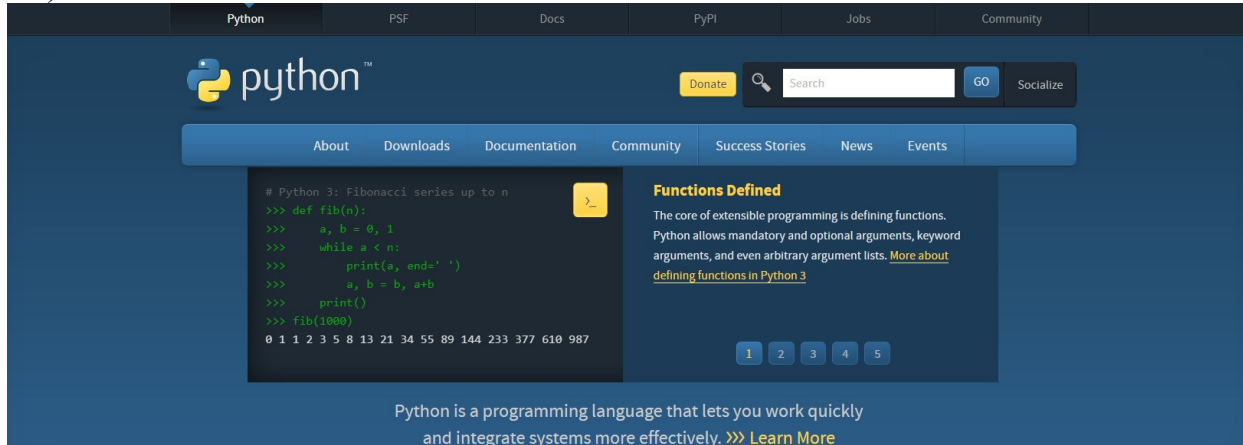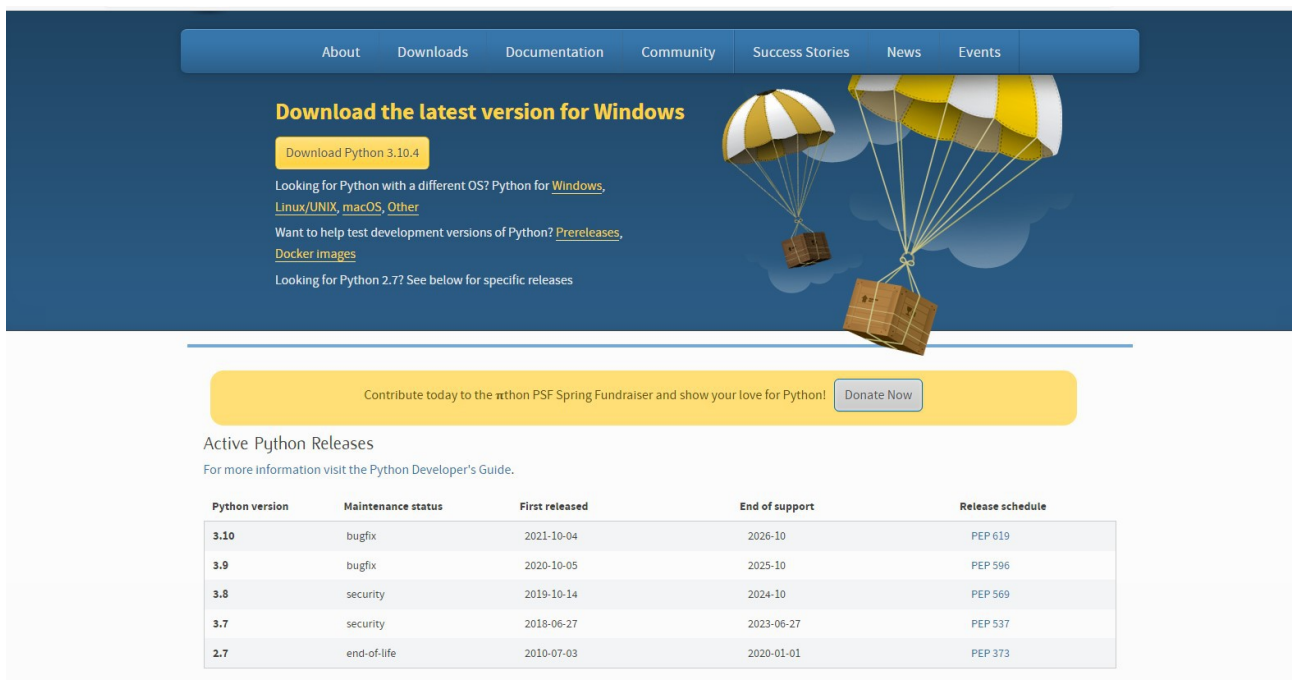

Fig -2

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Active Python Releases

For more information visit the Python Developer's Guide.

Python version	Maintenance status	First released	End of support	Release schedule
3.10	bugfix	2021-10-04	2026-10	PEP 619
3.9	bugfix	2020-10-05	2025-10	PEP 596
3.8	security	2019-10-14	2024-10	PEP 569
3.7	security	2018-06-27	2023-06-27	PEP 537
2.7	end-of-life	2010-07-03	2020-01-01	PEP 373

Looking for a specific release?

Python releases by version number:

Release version	Release date		Click for more
Python 3.10.4	March 24, 2022	Download	Release Notes
Python 3.9.12	March 23, 2022	Download	Release Notes
Python 3.10.3	March 16, 2022	Download	Release Notes
Python 3.9.11	March 16, 2022	Download	Release Notes
Python 3.8.13	March 16, 2022	Download	Release Notes
Python 3.7.13	March 16, 2022	Download	Release Notes

Fig – 3

Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		7011fa5e61dc467ac9a98c3d62cfe2be	25612387	SIG
XZ compressed source tarball	Source release		21f2e113e087083a1e8cf10553d93599	19342692	SIG
macOS 64-bit universal2 installer	macOS	for macOS 10.9 and later	5dd5087f4eec2be635b1966330db5b74	40382410	SIG
Windows embeddable package (32-bit)	Windows		4c1cb704caafdc5cbf05ff919bf513f4	7563393	SIG
Windows embeddable package (64-bit)	Windows		bf4e0306c349fbd18e9819d53f955429	8523000	SIG
Windows help file	Windows		758b7773027cbc94e2dd0000423f032c	9222920	SIG
Windows installer (32-bit)	Windows		977b91d2e0727952d5e8e4ff07eee34e	27338104	SIG
Windows installer (64-bit)	Windows	Recommended	53fea6cfcce86fb87253364990f22109	28488112	SIG

Fig – 4

Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		7011fa5e61dc467ac9a98c3d62cfe2be	25612387	SIG
XZ compressed source tarball	Source release		21f2e113e087083a1e8cf10553d93599	19342692	SIG
macOS 64-bit universal2 installer	macOS	for macOS 10.9 and later	5dd5087f4eec2be635b1966330db5b74	40382410	SIG
Windows embeddable package (32-bit)	Windows		4c1cb704caafdc5cbf05ff919bf513f4	7563393	SIG
Windows embeddable package (64-bit)	Windows		bf4e0306c349fbd18e9819d53f955429	8523000	SIG
Windows help file	Windows		758b7773027cbc94e2dd0000423f032c	9222920	SIG
Windows installer (32-bit)	Windows		977b91d2e0727952d5e8e4ff07eee34e	27338104	SIG
Windows installer (64-bit)	Windows	Recommended	53fea6cfcce86fb87253364990f22109	28488112	SIG

Fig – 5

Files

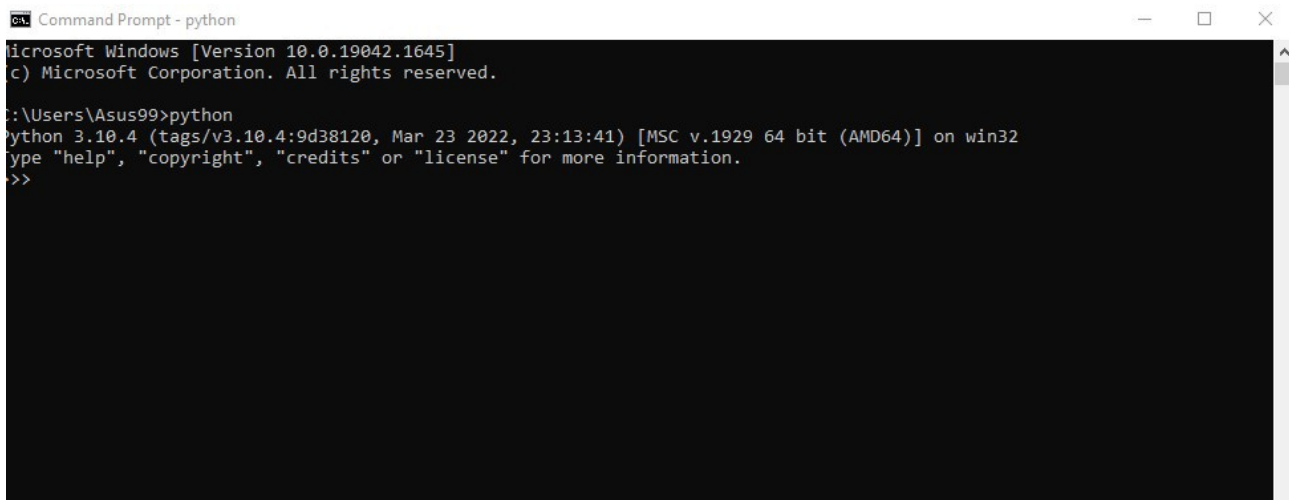| Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		7011fa5e61dc467ac9a98c3d62cfe2be	25612387	SIG
XZ compressed source tarball	Source release		21f2e113e087083a1e8cf10553d93599	19342692	SIG
macOS 64-bit universal2 installer	macOS	for macOS 10.9 and later	5dd5087f4eec2be635b1966330db5b74	40382410	SIG
Windows embeddable package (32-bit)	Windows		4c1cb704caafdc5cbf05ff919bf513f4	7563393	SIG
Windows embeddable package (64-bit)	Windows		bf4e0306c349fbd18e9819d53f955429	8523000	SIG
Windows help file	Windows		758b7773027cbc94e2dd0000423f032c	9222920	SIG
Windows installer (32-bit)	Windows		977b91d2e0727952d5e8e4ff07eee34e	27338104	SIG
Windows installer (64-bit)	Windows	Recommended	53fea6cfcce86fb87253364990f22109	28488112	SIG

Download

Fig – 6

3) Open Commad Prompt(CMD)

```
Microsoft Windows [Version 10.0.19042.1645]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Asus99>
```

Fig – 7

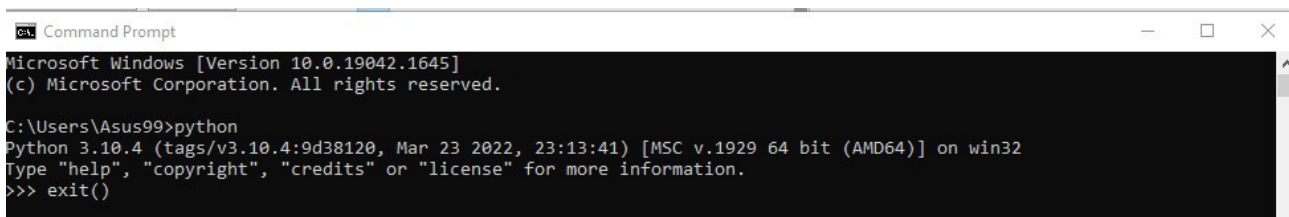4) In the Prompt type >> python and you will see the outcome as thus:

Fig – 8

5) Type – exit() and you will see the following window

Fig – 9

Fig – 10 (Back to your PC root)

---Installation of Python Libraries as follows--------------------
From CMD type

1) pip install tk
2) pip install PyMySQL
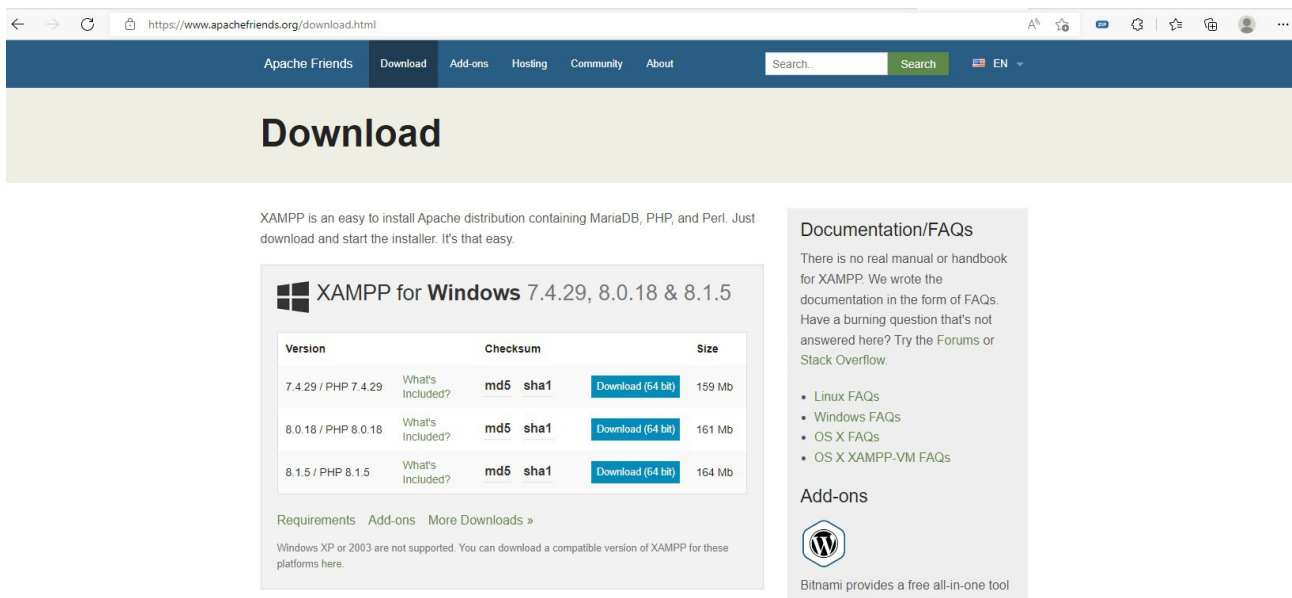3) pip install mysql-connector-python

Download XAMPP from the website(https://www.apachefriends.org/download.html)

Fig – 11

- After Downloading XAMPP , you will get this kind of GUI that look like this
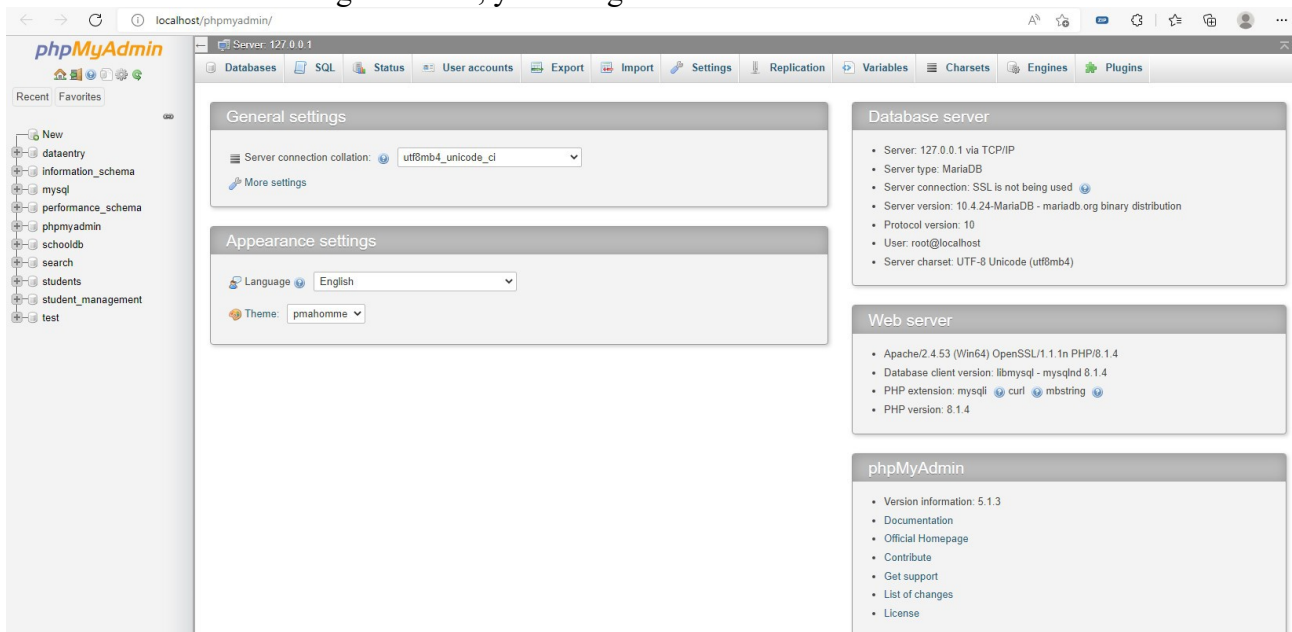

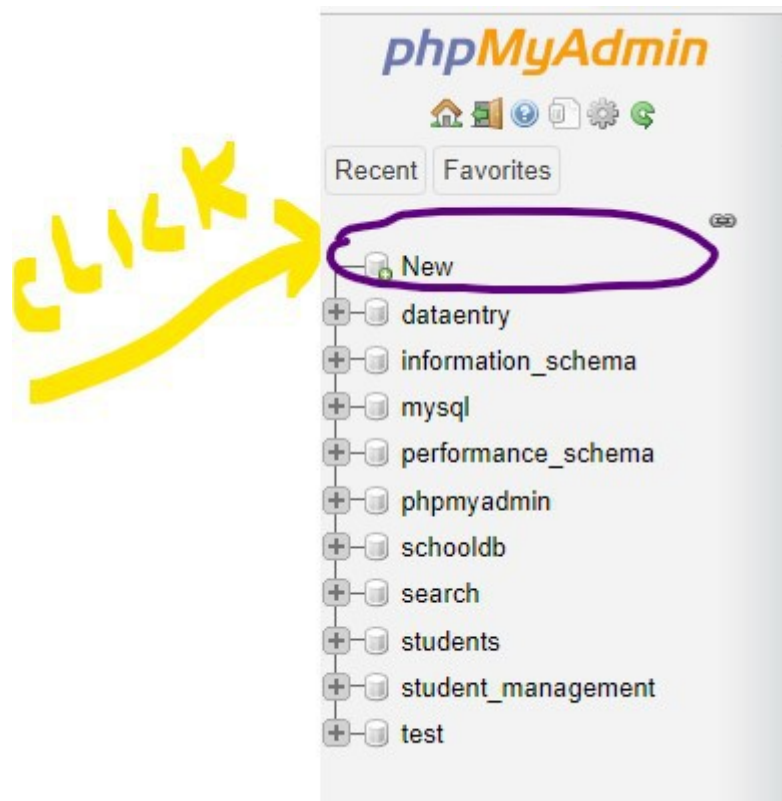Fig – 12

- Create **Database**

Fig – 13

Fig – 14

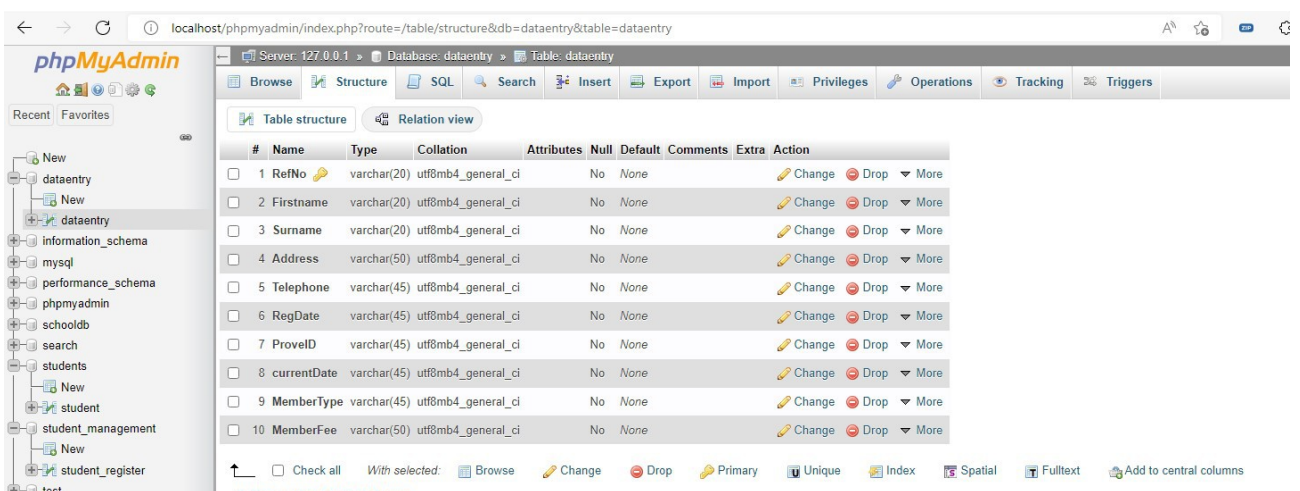- Create class and give name and after you create your rows and columns as follows

Fig – 15

```
sqlCon =mysql.connector.connect(host="localhost",user="root",password="",database="dataentry")
```

DB Name here

Fig – 16

```
cur     sqicon.cursor()
cur.execute("insert into dataentry values(%s,%s,%s,%s, %s, %s, %s,%s, %s, %s)'
```

Table Name here

Fig – 17

Below is the Outcome of GUI after running and you can use any Button and you can use the codes or modify it to your own taste.

Data Entry Form			– □ ×
Reference No		**Telephone**	**Search**
Firstname		**RegistrationDate** 09/05/2022	**Date** 09/05/2022
Surname		**Prove ID**	**Member Type**
Address			**Member Fee**

Fig – 18

Data Entry Form			– □ ×
Reference No		**Telephone**	**Search**
Firstname		**RegistrationDate** 09/05/2022	**Date** 09/05/2022
Surname		**Prove ID**	**Member Type**
Address			**Member Fee**

Add New	Display	Update	Delete	Reset	Exit	Search

Fig – 19

Fig – 20

Final Note:
   If you find any bugs in the codes , please kindly send text for modification but note *some times Python Version is having problem with MySQL.

Happy Coding