

## 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](http://www.python.org)) ---
- 2) Follow this method:

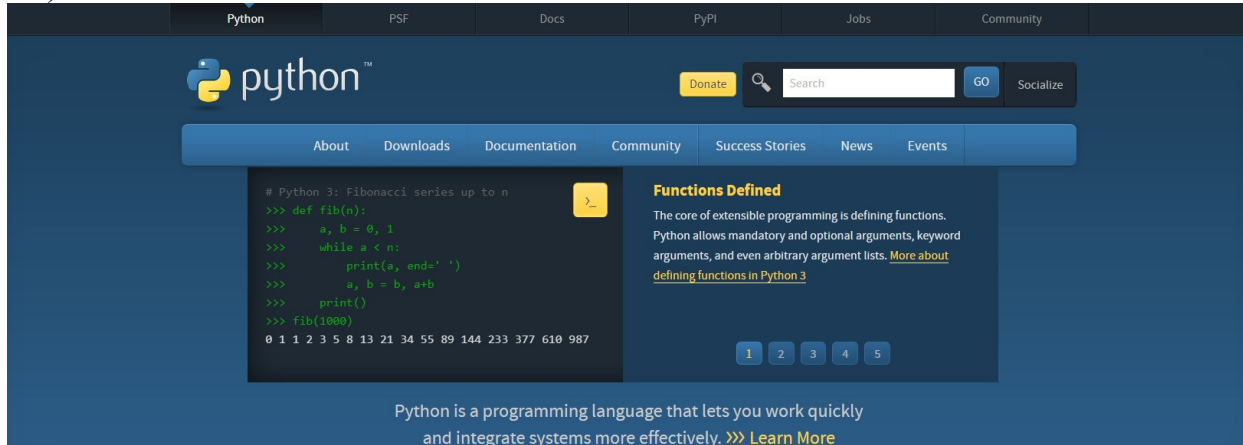


Fig -1

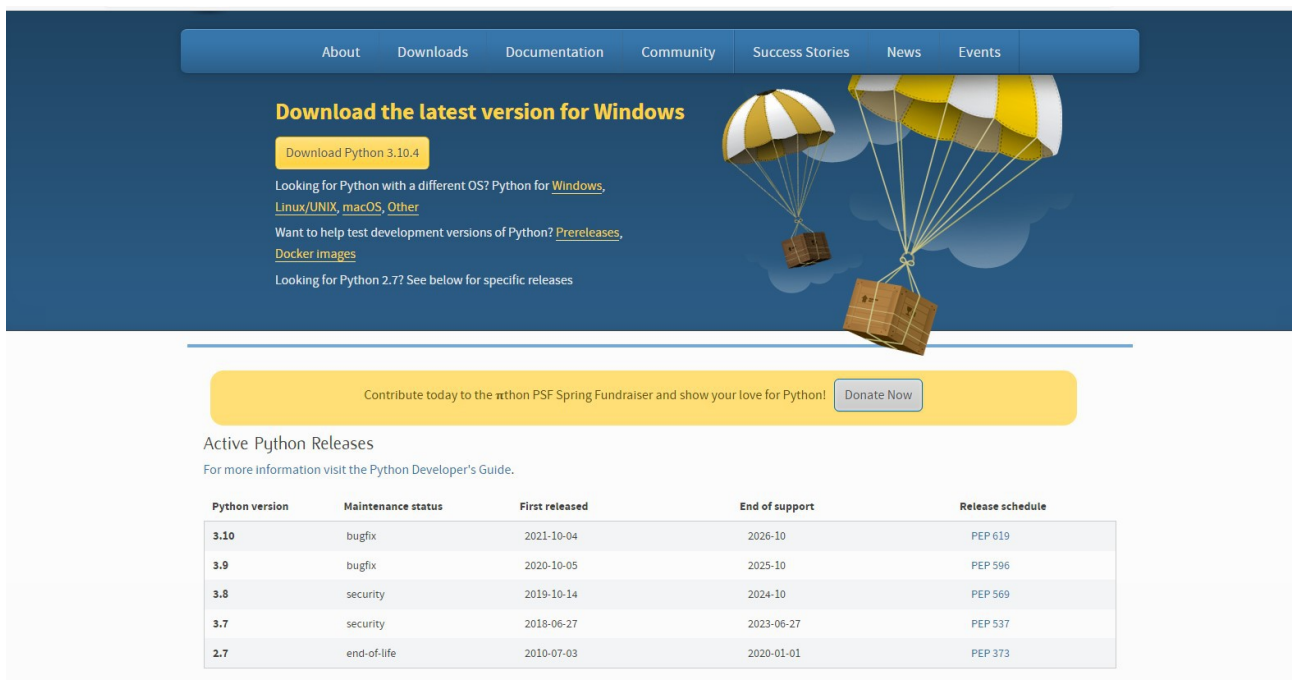


Fig -2

[Docker images](#)  
Looking for Python 2.7? See below for specific releases

Contribute today to the Python PSF Spring Fundraiser and show your love for Python!

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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
<a href="#">Python 3.10.4</a>	March 24, 2022	<a href="#">Download</a>	<a href="#">Release Notes</a>
<a href="#">Python 3.9.12</a>	March 23, 2022	<a href="#">Download</a>	<a href="#">Release Notes</a>
<a href="#">Python 3.10.3</a>	March 16, 2022	<a href="#">Download</a>	<a href="#">Release Notes</a>
<a href="#">Python 3.9.11</a>	March 16, 2022	<a href="#">Download</a>	<a href="#">Release Notes</a>
<a href="#">Python 3.8.13</a>	March 16, 2022	<a href="#">Download</a>	<a href="#">Release Notes</a>
<a href="#">Python 3.7.13</a>	March 16, 2022	<a href="#">Download</a>	<a href="#">Release Notes</a>

Fig – 3

Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
<a href="#">Gzipped source tarball</a>	Source release		7011fa5e61dc467ac9a98c3d62cfe2be	25612387	<a href="#">SIG</a>
<a href="#">XZ compressed source tarball</a>	Source release		21f2e113e087083a1e8cf10553d93599	19342692	<a href="#">SIG</a>
<a href="#">macOS 64-bit universal2 installer</a>	macOS	for macOS 10.9 and later	5dd5087f4eec2be635b1966330db5b74	40382410	<a href="#">SIG</a>
<a href="#">Windows embeddable package (32-bit)</a>	Windows		4c1cb704caafdc5cbf05ff919bf513f4	7563393	<a href="#">SIG</a>
<a href="#">Windows embeddable package (64-bit)</a>	Windows		bf4e0306c349fbd18e9819d53f955429	8523000	<a href="#">SIG</a>
<a href="#">Windows help file</a>	Windows		758b7773027cbc94e2dd0000423f032c	9222920	<a href="#">SIG</a>
<a href="#">Windows installer (32-bit)</a>	Windows		977b91d2e0727952d5e8e4ff07eee34e	27338104	<a href="#">SIG</a>
<a href="#">Windows installer (64-bit)</a>	Windows	Recommended	53fea6cfce86fb87253364990f22109	28488112	<a href="#">SIG</a>

Fig – 4

## Files

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<a href="#">Gzipped source tarball</a>	Source release		7011fa5e61dc467ac9a98c3d62cf2be	25612387	<a href="#">SIG</a>
<a href="#">XZ compressed source tarball</a>	Source release		21f2e113e087083a1e8cf10553d93599	19342692	<a href="#">SIG</a>
<a href="#">macOS 64-bit universal2 installer</a>	macOS	for macOS 10.9 and later	5dd5087f4eec2be635b1966330db5b74	40382410	<a href="#">SIG</a>
<a href="#">Windows embeddable package (32-bit)</a>	Windows		4c1cb704caafd5cbf05ff919bf513f4	7563393	<a href="#">SIG</a>
<a href="#">Windows embeddable package (64-bit)</a>	Windows		bf4e0306c349fbd18e9819d53f955429	8523000	<a href="#">SIG</a>
<a href="#">Windows help file</a>	Windows		758b7773027cbc94e2dd0000423f032c	9222920	<a href="#">SIG</a>
<a href="#">Windows installer (32-bit)</a>	Windows		977b91d2e0727952d5e8e4ff07eee34e	27338104	<a href="#">SIG</a>
<a href="#">Windows installer (64-bit)</a>	Windows	Recommended	53fea6cfce86fb87253364990f22109	28488112	<a href="#">SIG</a>

Fig – 5

## Files

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<a href="#">Gzipped source tarball</a>	Source release		7011fa5e61dc467ac9a98c3d62cf2be	25612387	<a href="#">SIG</a>
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<a href="#">Windows help file</a>	Windows		758b7773027cbc94e2dd0000423f032c	9222920	<a href="#">SIG</a>
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<a href="#">Windows installer (64-bit)</a>	Windows	Recommended	53fea6cfce86fb87253364990f22109	28488112	<a href="#">SIG</a>

Download →

Fig – 6

### 3) Open Commad Prompt(CMD)

```

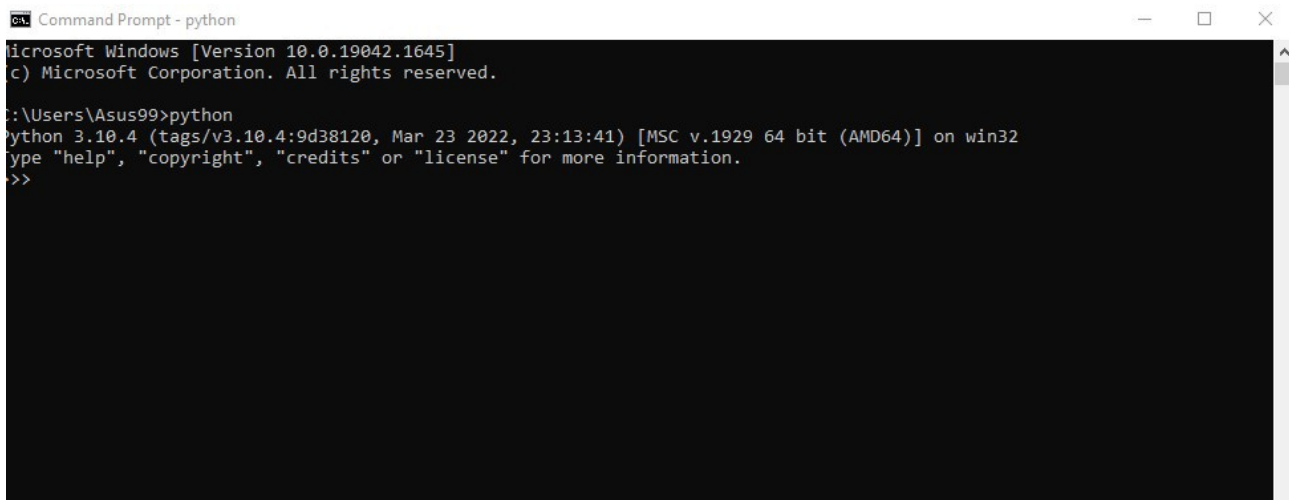
Command Prompt
Microsoft Windows [Version 10.0.19042.1645]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Asus99>

```

Fig – 7

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

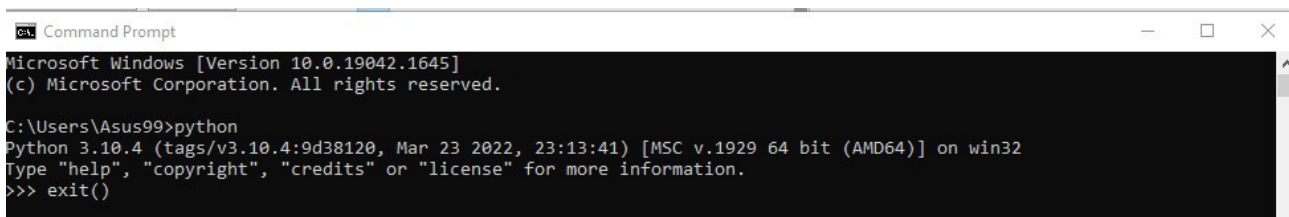


```
Command Prompt - python
Microsoft Windows [Version 10.0.19042.1645]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Asus99>python
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

Fig – 8

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



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

C:\Users\Asus99>python
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> exit()
```

Fig – 9



```
C:\Users\Asus99>
```

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>)

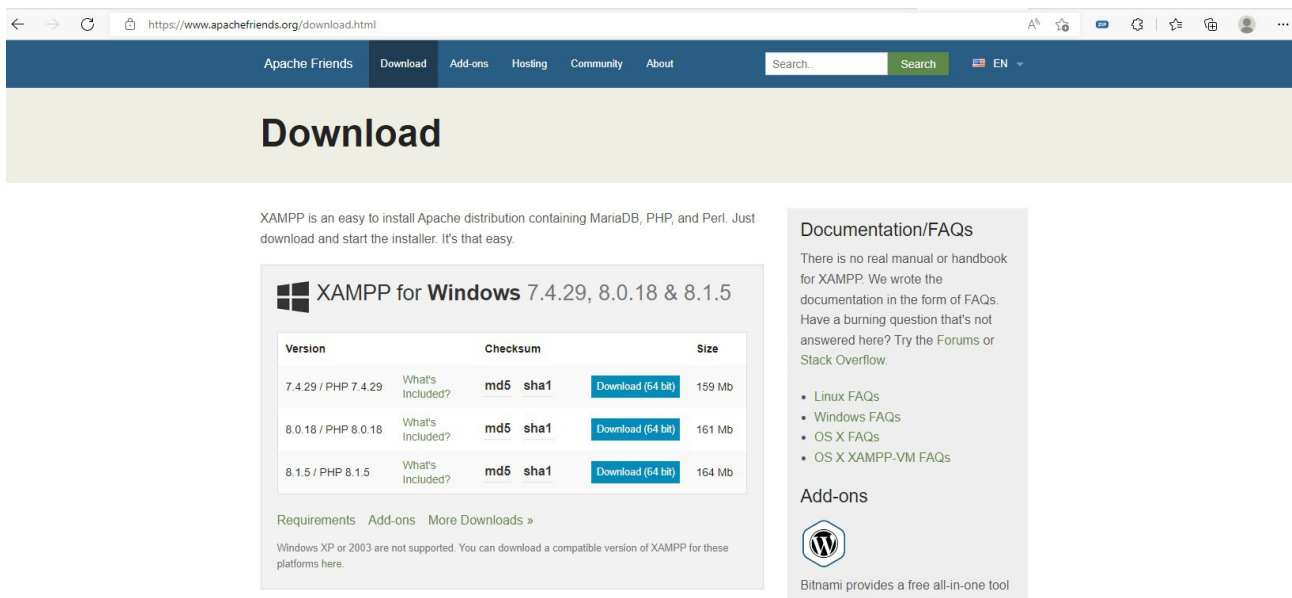


Fig – 11

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

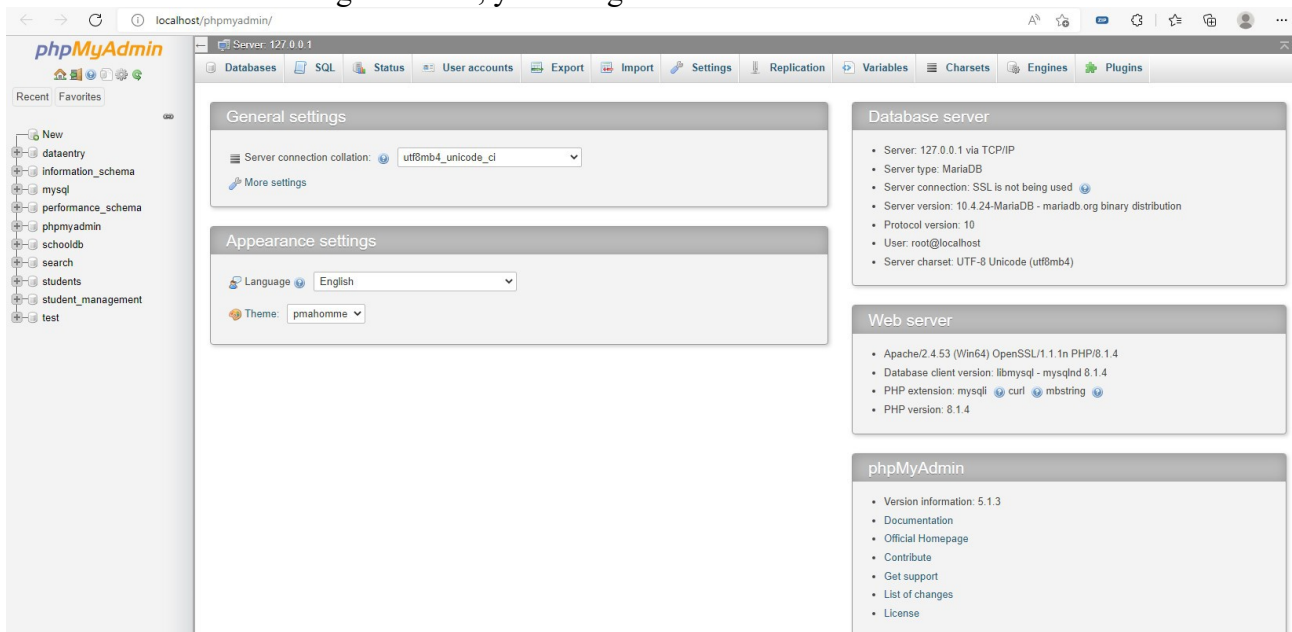


Fig – 12

- Create Database

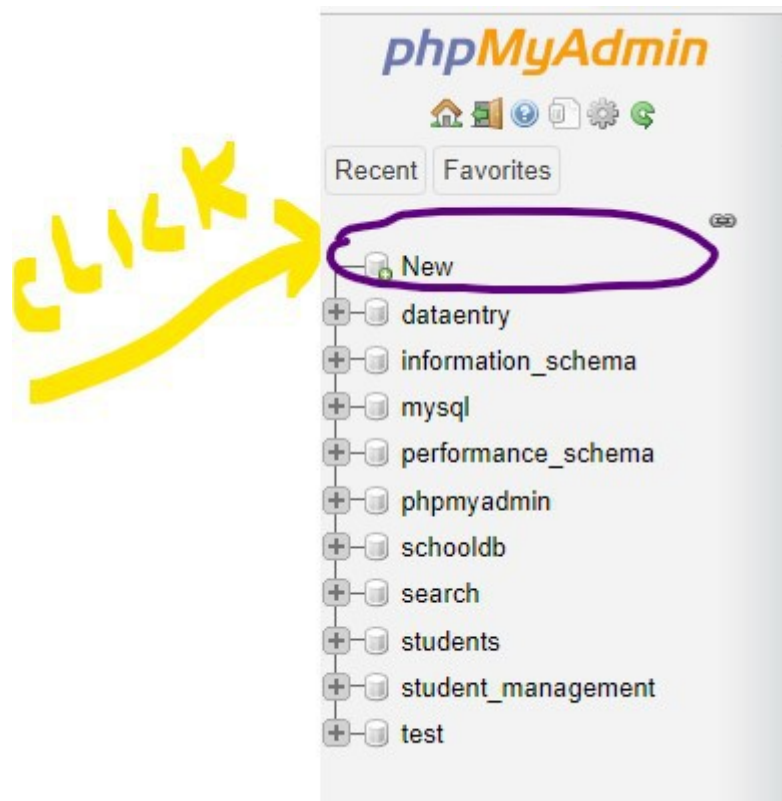


Fig – 13



Fig – 14

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

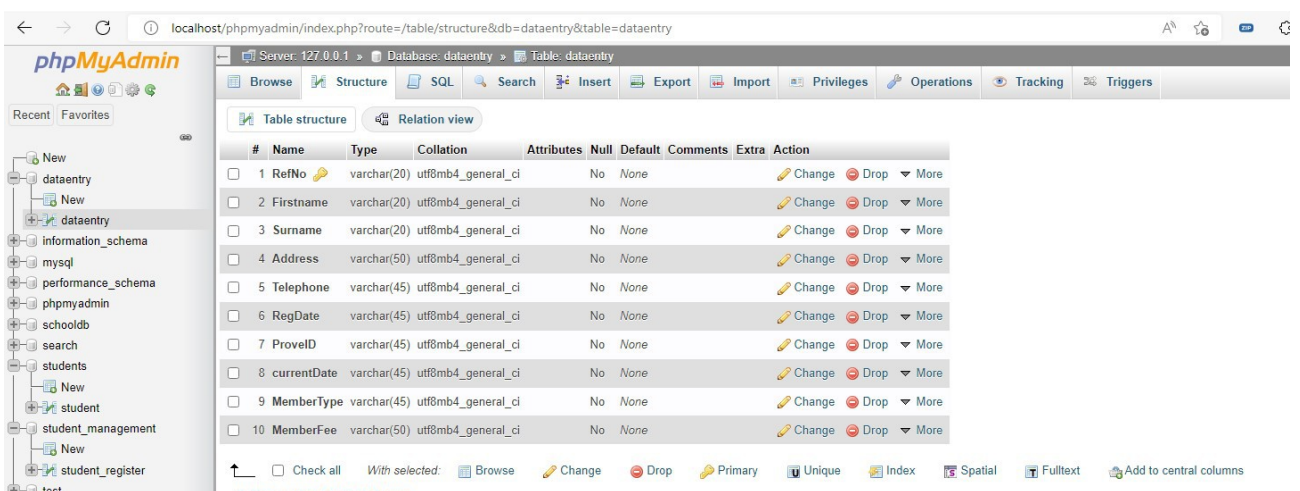


Fig – 15



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

DB Name here

Fig – 16

```
cur = sqlcon.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.

The screenshot shows a window titled "Data Entry Form". It contains several input fields arranged in a grid-like fashion. The fields are: Reference No, Telephone, Search, Firstname, RegistrationDate (with a date value of 09/05/2022), Date (with a date value of 09/05/2022), Surname, Prove ID (a dropdown menu), Member Type (a dropdown menu), Address, and Member Fee (a dropdown menu).

Fig – 18

This screenshot is similar to the previous one, showing the "Data Entry Form" window. It includes all the same input fields. At the bottom of the window, there is a row of seven buttons: "Add New", "Display", "Update", "Delete", "Reset", "Exit", and "Search".

Fig – 19

Data Entry Form

Reference No	<input type="text"/>	Telephone	<input type="text"/>	Search	<input type="text"/>
Firstname	<input type="text"/>	RegistrationDate	<input type="text" value="09/05/2022"/>	Date	<input type="text" value="09/05/2022"/>
Surname	<input type="text"/>	Prove ID	<input type="text"/>	Member Type	<input type="text"/>
Address	<input type="text"/>			Member Fee	<input type="text"/>

Add New	Display	Update	Delete	Reset	Exit	Search
---------	---------	--------	--------	-------	------	--------

Reference	Firstname	Surname	Address	Telephone	Reg. date	Prove of ID	Current Date	Member Type	Member Fee
100000	Benya	Benya	Kishi, Nigeria	9025688180	19/04/2021	Driving Licence		Annual	#1000:00
20000	Adeyanju	Jamiu	Malaysia, Malacca, MMU	+601137192409	19/04/2020	Passport		Quartely	#500:00
30000	Shaffiyah	Chiharu	Japan, Yokohama	8101137192409	19/04/2020	Student ID		Monthly	#250:00

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