Python_Task-2:

Tkinter_Sql_Integration:

Follow the instructions to run the code:

1.Download the code and copy/paste it in a desired location.
2.Open the python file in any IDE which supports python.
3.In the code,the lines 134,244 and 357 contains Sql queries which are used to connect to a database which runs on a local server ,so user need to change the username and password for Sql server which they have provided while downloading the Mysql command line client interface .
4.The database name provided in the code is “tkinter”,user can use the same or if already exists then change the database name in the same lines 134,244 and 357 .
5.User have to first create the database and then table with name “student_info”,it can be done either on Sql command prompt or in the code itself,since after running the code once the,user have to remove the create query and rewrite again the connect query,so it is recommended to do it in Sql command prompt only.
6.Following code can be copy/paste in Sql command prompt to do step 5.

create database tkinter;

After creating database :

```
use tkinter;
create table student_info(Name varchar(50),Branch varchar(50),
                         Reg_ID varchar(50),Subject_Marks varchar(50));
```

7.Run the python code on the terminal and Tkinter GUI will open as an output .

8.For login use default username=user and password=pass and if the user wants to change the default values, it could be done with changing the code in line 40.

9.Errors and warning messages will show up in a message box for any possible invalid input type or missing value.

10.To see the database,run the following code in the Sql command prompt:

select*from student_info;

11.For more reference see the files provided:

a.”tkinter_database-student_info.sql”
b.”tkinter_database-student_info.csv”

12..Screenshots of the working and functionality of the project are provided in the folder “tkinter-img_sc” for more reference.