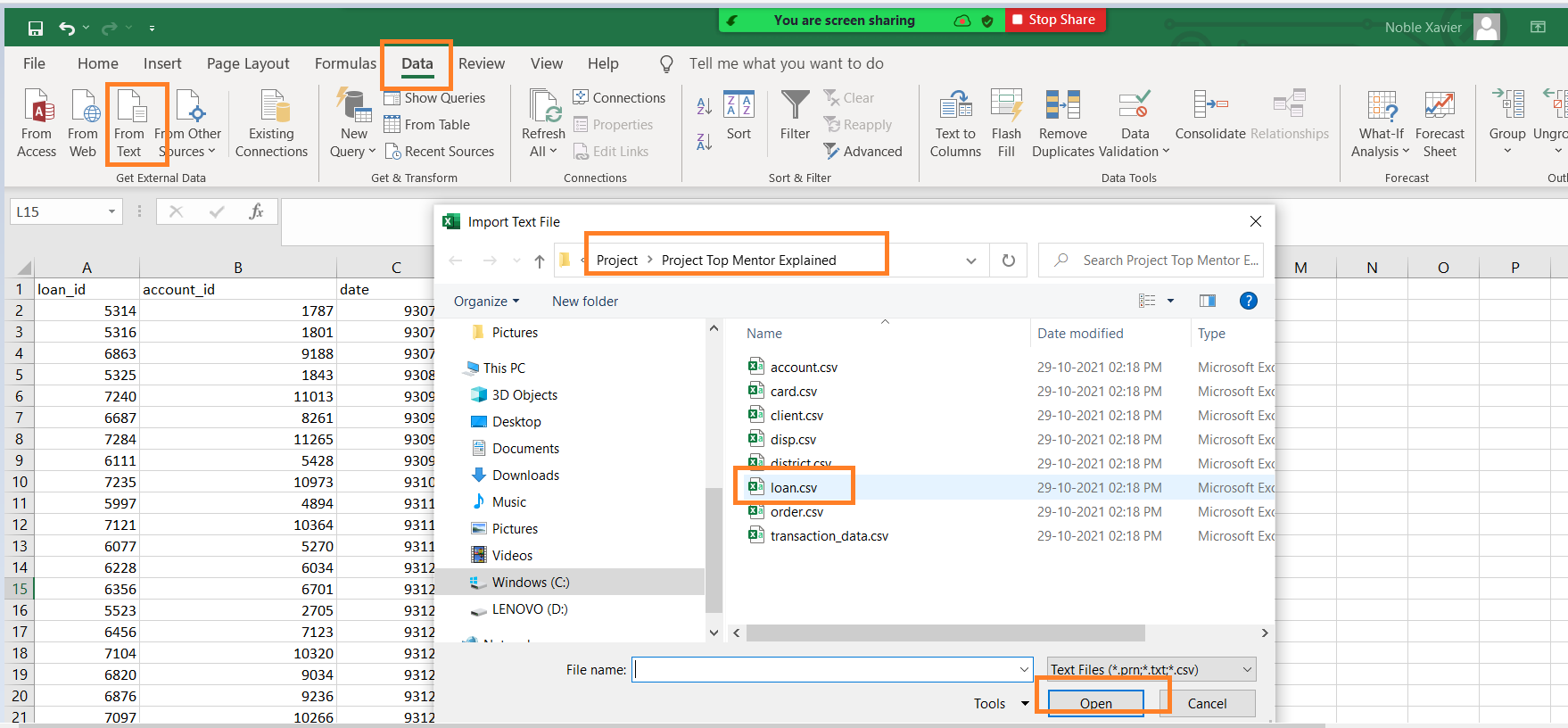
**My SQL**

**Data Set**

* account.csv
* card.csv
* client.csv
* disp.csv
* district.csv
* loan.csv
* order.csv

**Open the data file in Excel**

**Data - > From Text -> File Name -> Next**



**Create a new Database to load all .csv files**

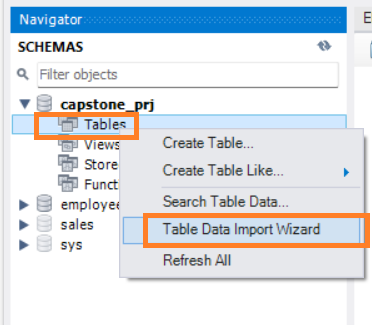
DROP DATABASE IF EXISTS CAPSTONE\_PRJ;

CREATE DATABASE CAPSTONE\_PRJ;

USE CAPSTONE\_PRJ;

**Load all the Files to MySQL Server database and create separate tables for each file**

Right Click Tables -> Table Data Import Wizard

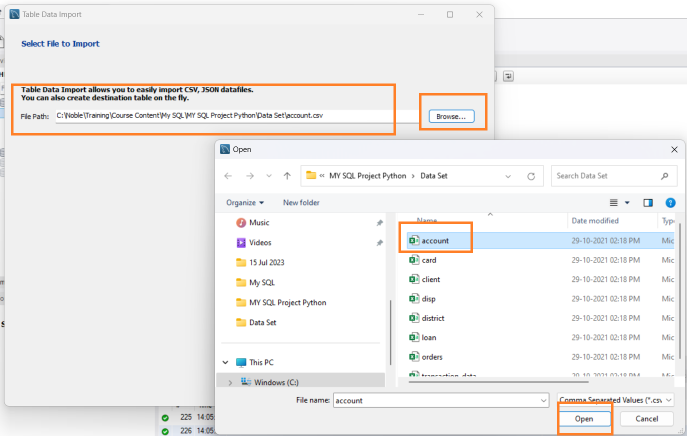


Click **Browse**

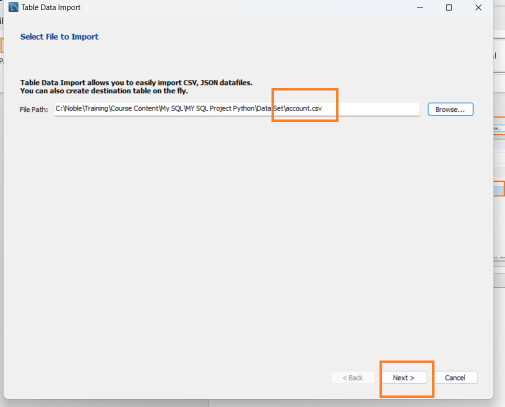
Select the folder where data is available

Select **.csv** file Name

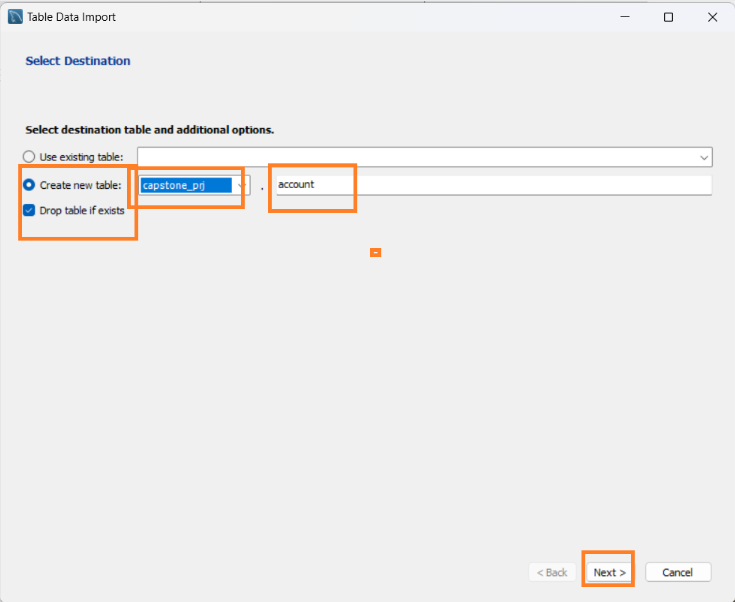
**Click Open**



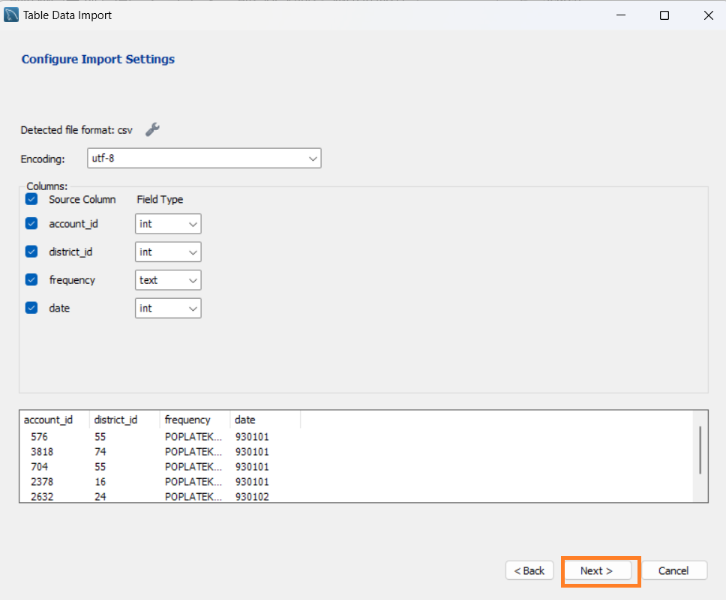
Click Next on Select File to Import



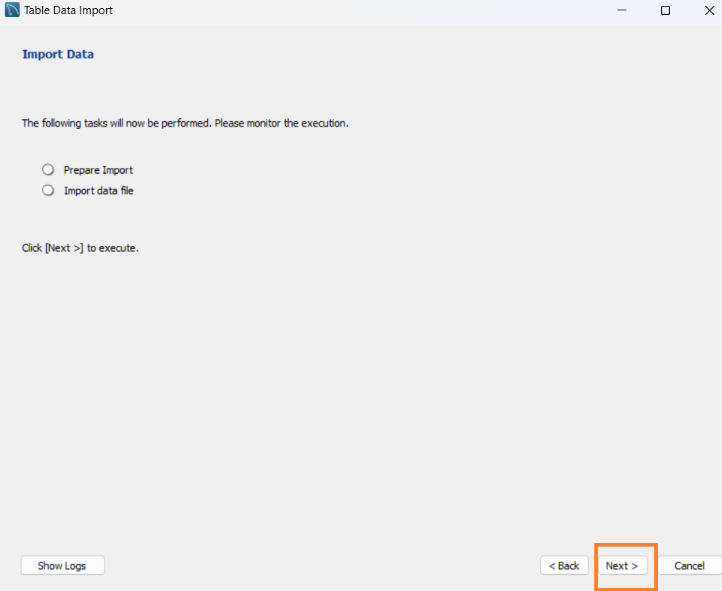
Data Base name and Table Name Auto populate – Update any change required



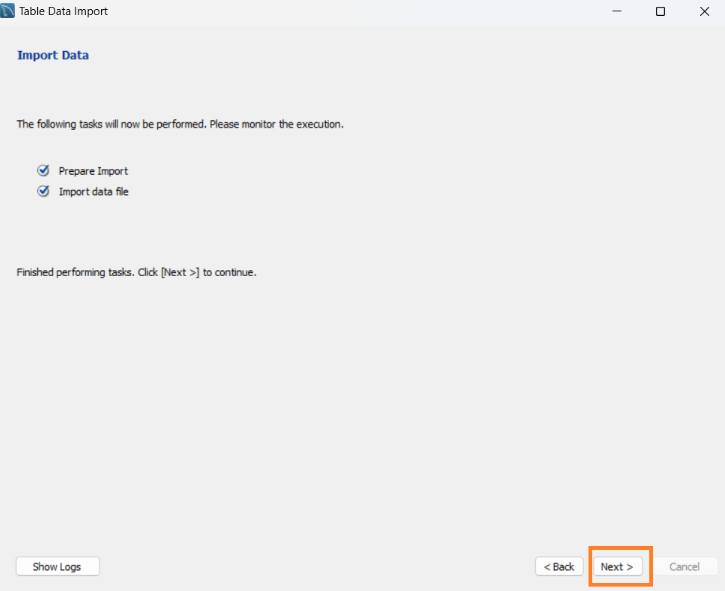
Use Default and click **Next**



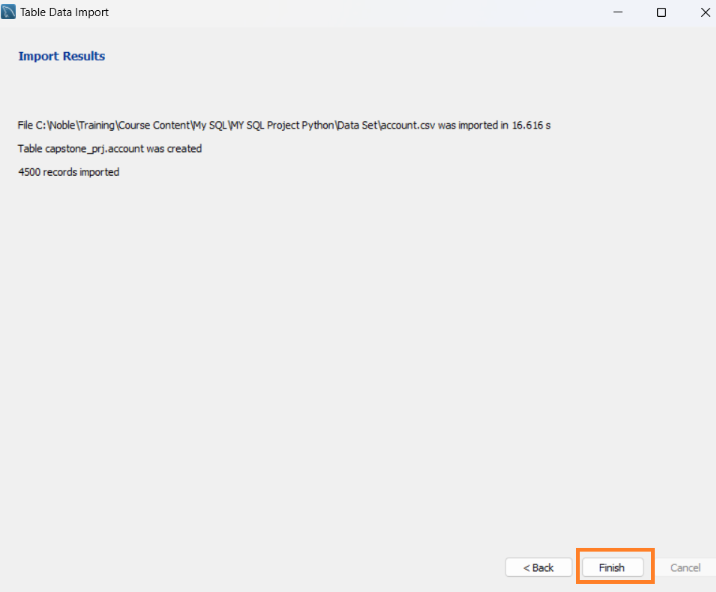
Use Default and click **Next**



Once the Data import is complete click **Next**



Click Finish



**Count the number of records in each table**

select Count(\*) from account;

select Count(\*) from card;

select Count(\*) from client;

select Count(\*) from disp;

select Count(\*) from district;

select Count(\*) from loan;

select Count(\*) from orders;

select Count(\*) from transaction\_data;

**Once the .csv files are loaded create additional aggerate tables as specified.**

**#Transaction and Loans table**

CREATE TABLE loan\_trans AS

select td.\*,ln.loan\_id,ln.date as loan\_date,ln.amount as loan\_amount,ln.duration,ln.payments,ln.status from loan ln

join transaction\_data td on ln.account\_id=td.account\_id;

**#Account and Orders table**

create table acc\_ord as

select o.\*,acc.date as account\_date,acc.district\_id as account\_district\_id,acc.frequency from account

acc left join orders o on acc.account\_id=o.account\_id;

**#Card and Disposition table**

create table card\_disp as

select card .\*,disp.account\_id,disp.client\_id as disposition\_client\_id,disp.type as disposition\_type from card card

join disp disp on card .disp\_id=disp.disp\_id;

**#Card and disposition combine with Client table based on client\_id**

create table card\_disp\_clent as

select \* from card\_disp cd join client c on cd.disposition\_client\_id=c.client\_id;

**#Card, Dispositon, client table with district Table based on district id (inner join)**

create table card\_disp\_client\_dist as

select \* from card\_disp\_clent cdc join district dist on cdc.district\_id=dist.A1;

**#Account, order table with card, disposition, client, district table based on account id (left join)**

create table acc\_ord\_card\_disp\_client\_dist as

select cdcd.\*,ao.order\_id,ao.bank\_to,ao.account\_to,ao.amount,ao.k\_symbol,ao.account\_date,ao.account\_district\_id,ao.frequency from acc\_ord ao left join card\_disp\_client\_dist cdcd on ao.account\_id=cdcd.account\_id;

**Use the following SQL from Python to access data**

**# Join account, order, card, disposition, client, district with loan, transaction table based on account\_id (inner join)**

select \* from acc\_ord\_card\_disp\_client\_dist aocdcd join loan\_trans lt on lt.account\_id= aocdcd.account\_id