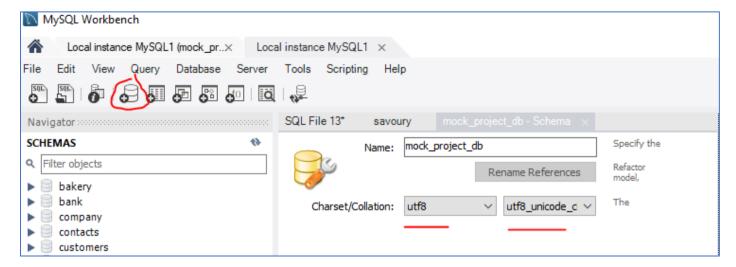
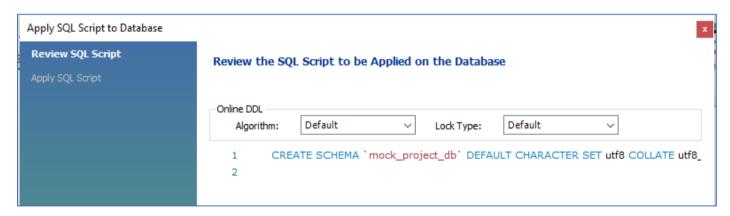
MOCK PROJECT GUIDELINES

1. Design and Create a new DB

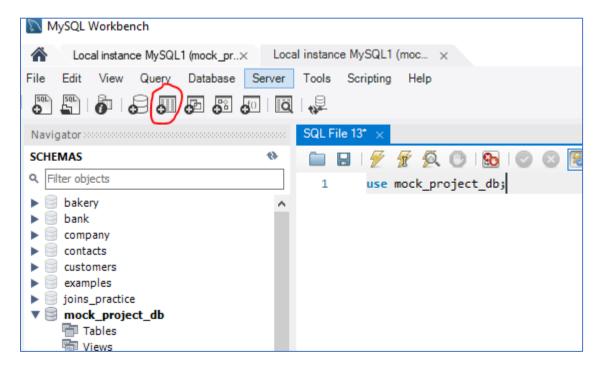
 Create an empty shell for a DB using Workbench DB design tools. (not SLQ code statements, as we want to demonstrate another way of creating a DB)



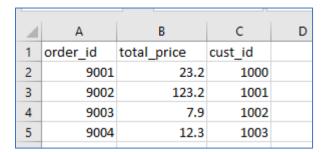
- Click Apply button
- And again



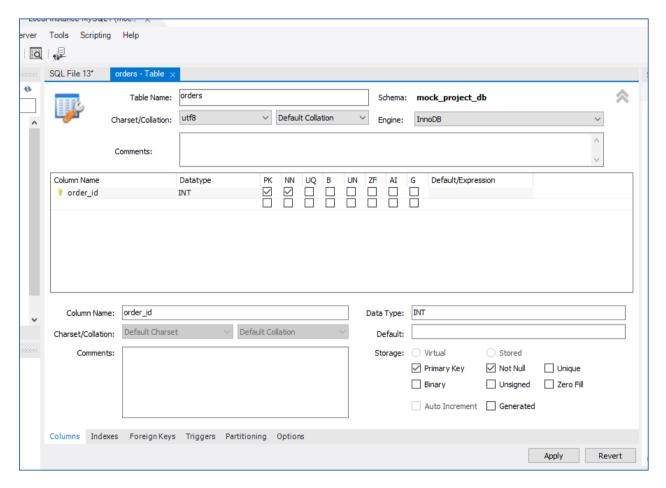
• When the table is created, programmatically use the relevant DB and then click add a new table icon.



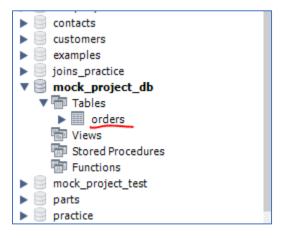
• We are aiming to create a table called orders, just like here (you have a csv file in your folder that contains all data)



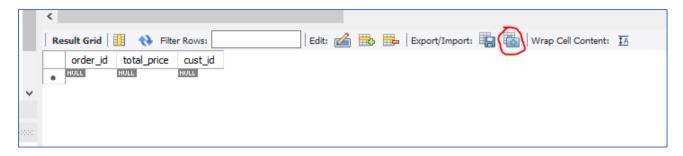
• IMPORTANT: use workbench tools to add column names, types, put constraints (PK, FK etc)



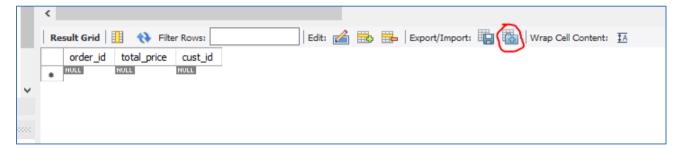
• Now that all columns are added, we have a table



- Run a query to return everything from a newly created table it would return an empty table.
- Now we want to load CSV data into our table.
- Now click this button to upload data from an external file. Follow all steps

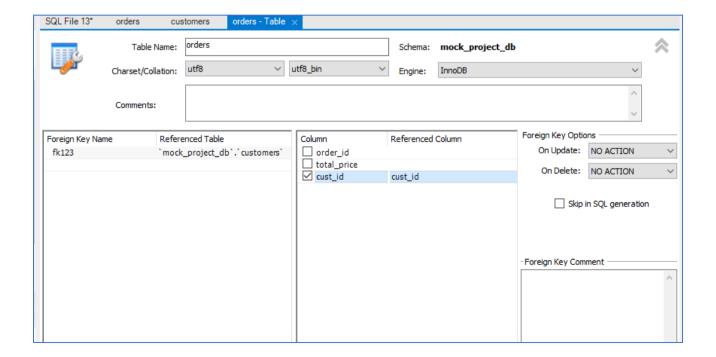


• Once that done we are going to create another table called customers (you have csv file). Do not create a new table shell, we can just load a new table on the fly, so click the same button again:

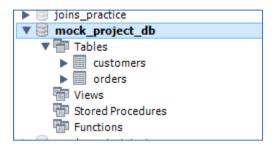


• This time choose the option 'create new table' and proceed.

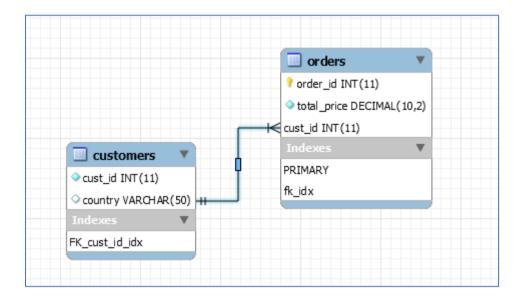




• Ensure that everything is created and data added to the tables:

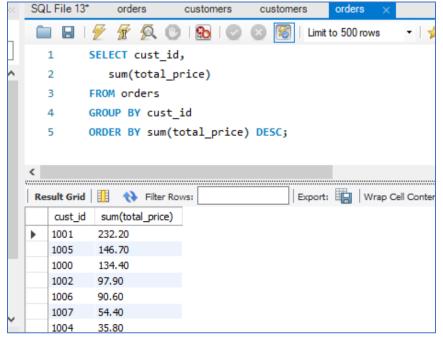


- 2. Create ER diagram for the new DB
- Database → Reverse Engineer → follow the steps.

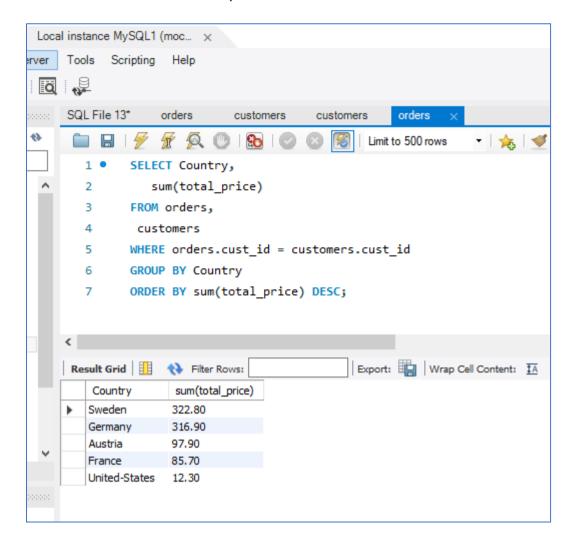


3. Write queries to select required sample data

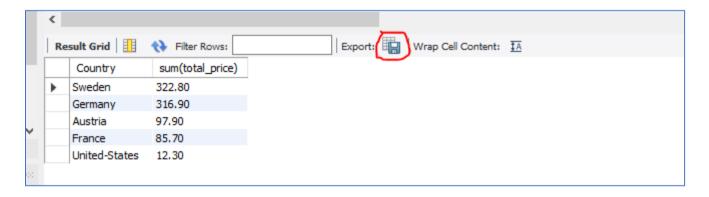
Select the sum of money spent per customer



• Revenue customer-country



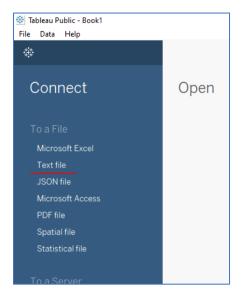
4. Export data into a new csv file



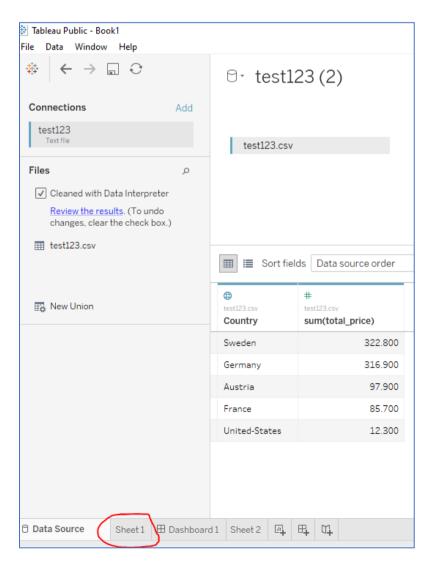
• Click the export button and export data into a new csv file.

5. Visualise resulting data set with Tableau

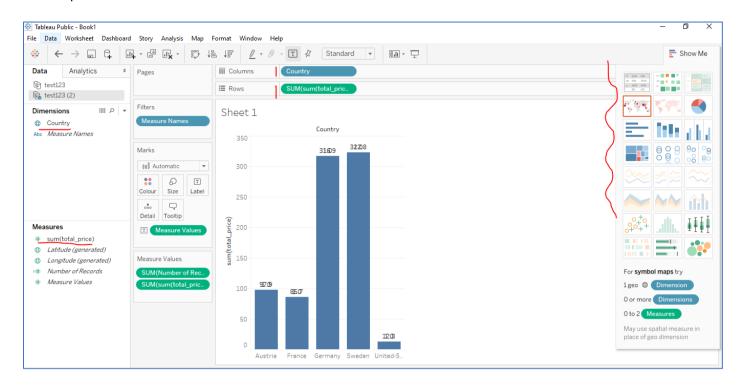
• Start up Tableau. In order to use csv file, we need to connect to a source that would allow us to load a text file, so in the start up panel choose the **Text file** option.

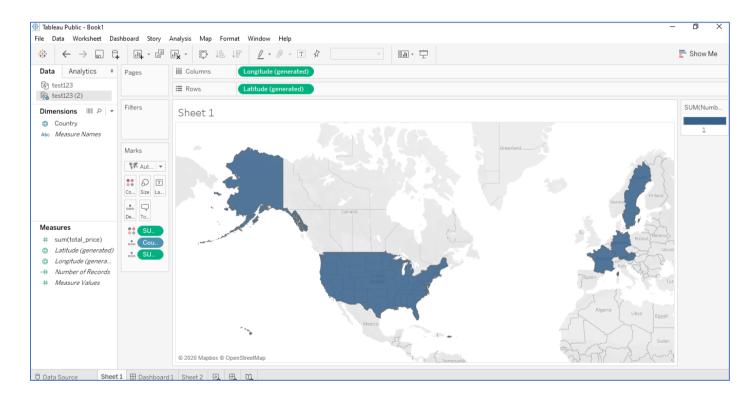


- Load the csv file with data. So you get to this screen.
- And then click the Sheet tab at the bottom



• Drag Country / Sum data sets into column / rows fields to see different types of graphs that can be produced.





 Save your work (you need to create a free account with Tableau Public and then you can download your sheet with data.

