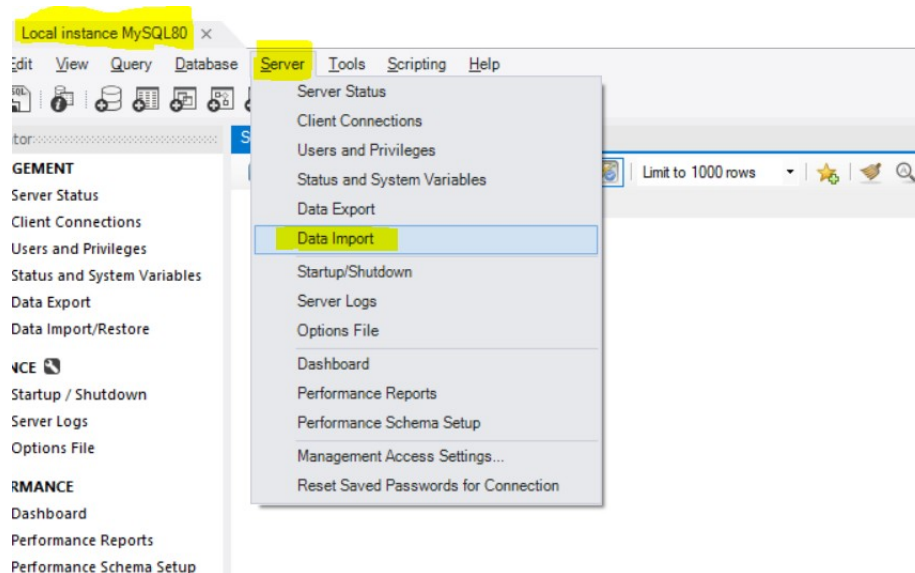
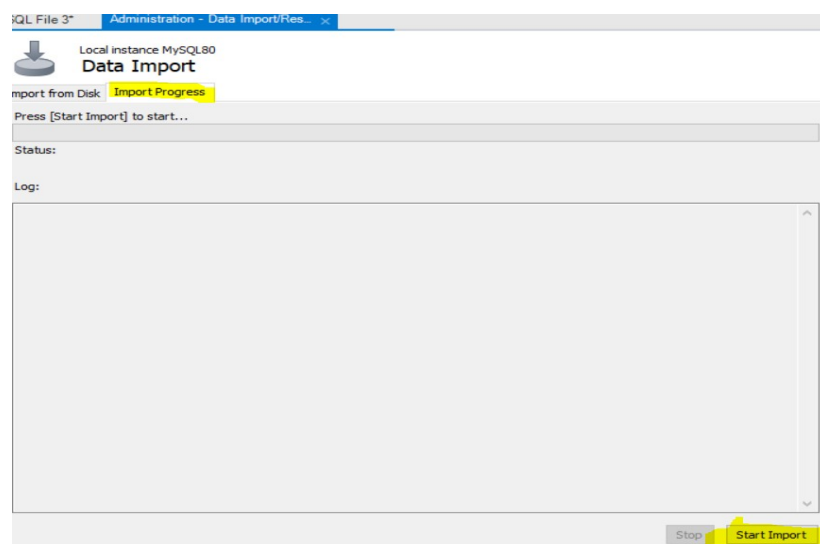
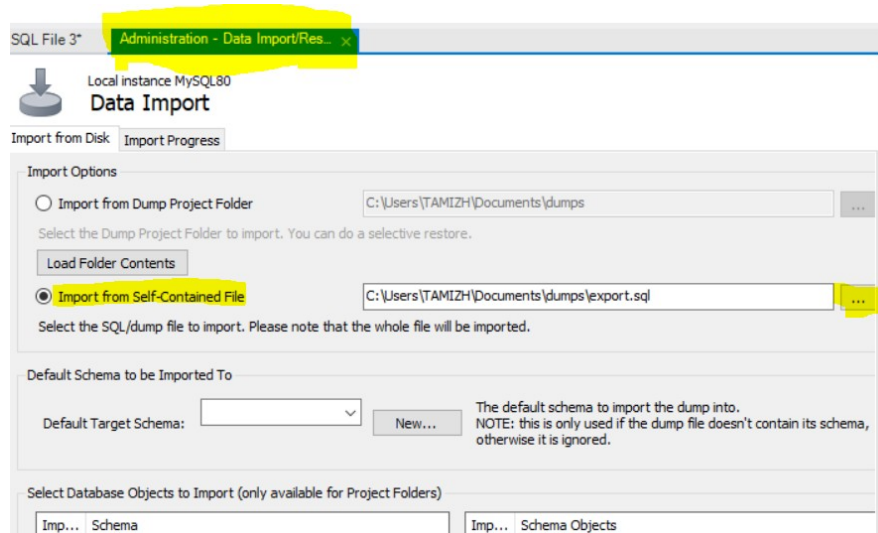


SQL Assignment

Extract the SQL file from the zipped folder and Import the data to your SQL instance by following the below steps:

- Download the sql file : https://drive.google.com/file/d/1w_B-eh8W-BWIFaR73d2y409YrY6Wxsw2/view?usp=sharing
- Open “Mysql workbench” and enter any instance
- Go to “Server -> Data Import”
- This will open another sql file window as “Administration- Data import/Export”
- Select “Import from Self-contained File” option
- Then click on the file picker icon and select “assignment1.sql” file
- Go to “Import Progress” window and “Start Import”





Follow the below steps:

- Once Imported, write queries for all the below scenarios in your mysql workbench
- Take screen shot of each answer or Query
- Paste the screen shot in a word file and repeat the steps for all the questions
- Save the word file into a PDF and upload

Questions:

1. Find the product names for each of the orders in "Orderdetails" table and find their respective product lines as well
2. Using the "Payments" table, find out the total amount spent by each customer and their respective countries
3. Find out the number of customers from each country and their respective sales representative, their overall sales for each of the country
4. Find out the amount of sales driven by each sales representative and for each product line
5. List the customer names for those who their names are starting with "A" and their overall purchase, profit made for each customer
6. Find the profit for each product line and also see the inventory in stock
7. Check if the overall purchase value of each customers has exceeded the credit limit set for them and calculate the percent of deviation (both positive and negative)
8. Find the top performing sales agent, revenue generated and total number of customers for each of them individually, create this as a view
9. Find out the profit for each product on the basis on buy price and sell price and find the overall profit for all the inventory in stock also find if the stock will be sufficient for the next one year based on the previous purchase pattern
10. Find out the most frequently used fields across all the tables and create indexes for each of the tables
11. Create one overall view with a Customer Full Contact Name, customer country, Sales Representative Name, credit limit, overall purchase value of the customer, Product line bought, actual buying price of the product.