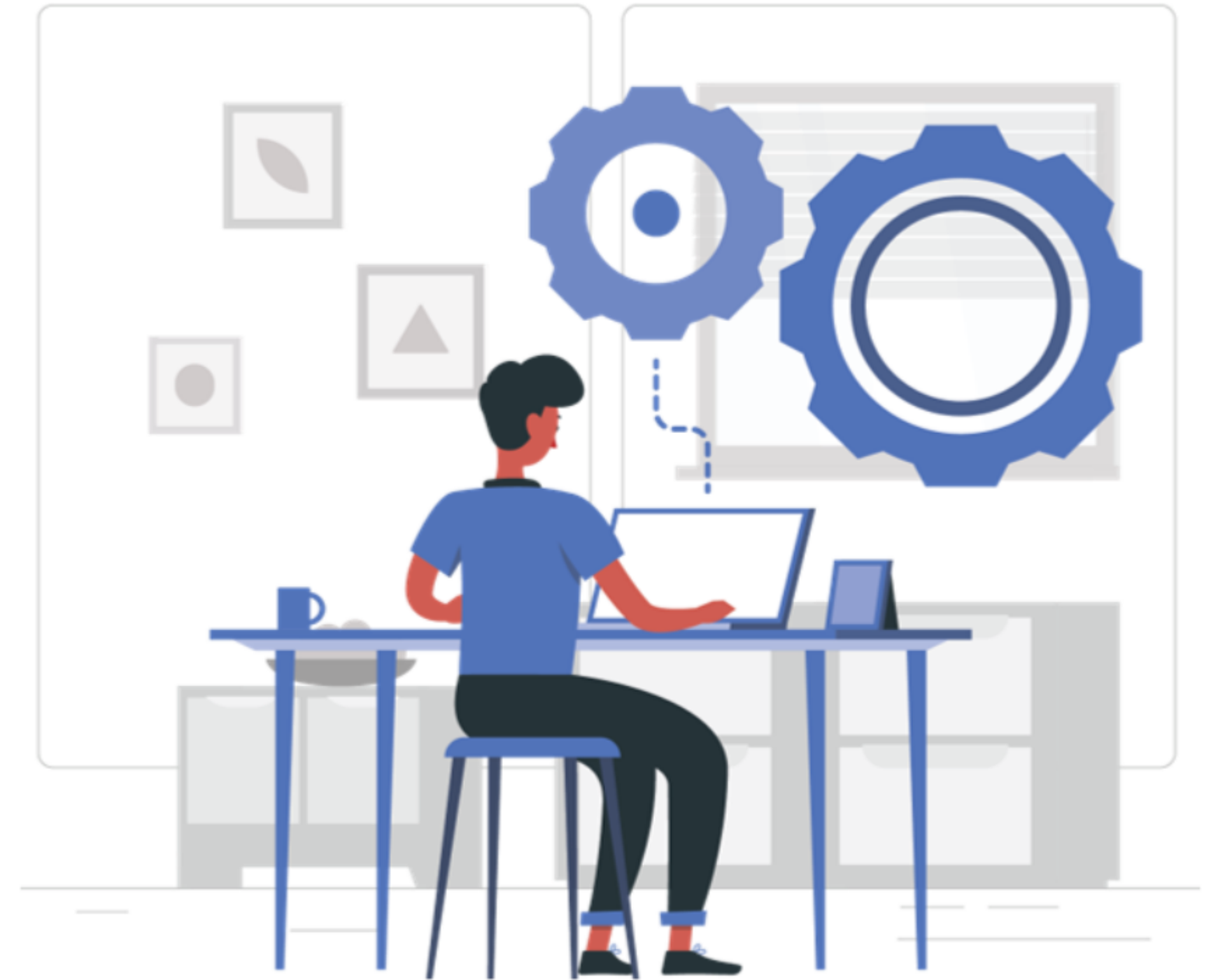


Challenge

Data Modeling Using RDBMS (DDL & DML)



Car Sales Data

A car manufacturing company needs to design a database to capture its Sales data. To get their commission, the company's sales agents need to meet their targets. Customer ratings also play an important role.

Help the car company track the number of orders based on the sales made by their agents.

All tables must be created inside the database called CarSales.



CHALLENGE

Instructions for the Challenge

- There is no boilerplate for this challenge.
- Create all the tables in MySQL either using the Command Line Client or the Work bench.

Challenge Statement

- In the previous practice, you created a **SalesPerson** table.
- In this challenge, you will create a **Customer** and **Order** table and write a few SQL queries.
- Both the tables have a primary key and a foreign key.

Tasks

Task 1: Insert the following details in the **Customer** Table. All the columns of the **Customer** Table should have values as given below.

In this table, **CustomerId** is a primary key, and **SalesId** is a foreign key. SalesId is coming from the SalesPerson Table created earlier.

CustomerId	FirstName	LastName	City	Rating	SalesId
2001	Hoffman	Anny	London	100	1001
2002	Giovanni	Jenny	Rome	200	1003
2003	Liu	William	San Jose	100	1002
2004	Harry	Grass	Berlin	300	1002
2005	Clemens	John	London	200	1001
2006	Fanny	John	San Jose	200	1005
2007	Jonathan	Bob	Rome	300	1004

Tasks (cont'd)

- Task 2: Insert the following details in the **Order** Table. All the columns of the **Order** Table should have value.
- Here OrderId is a primary key, and CustomerId is a foreign key. CustomerId is coming from the Customer table.

OrderId	Amount	OrderDate	CustomerId
3001	123	01-02-2020	2001
3003	187	02-10-2020	2007
3002	100	30-07-2000	2003
3005	201	9-10-2011	2007
3009	145	10-10-2012	2002
3007	167	02-04-2021	2002
3008	189	02-03-1999	2006
3010	100	18-09-2000	2004

Tasks (cont'd)

- Task 3: Delete the order details of OrderId 3008 from the Order Table.
- Task 4: Delete all salespersons whose CommissionRate is 0.
- Task 5: Update the order where the amount is 100. Set the amount to 200.
- Task 6: Update the commission rate for the salesperson whose commission rate is 26. Set the commission rate to 28.
- Task 7: Update the rating for the customers whose rating is 100 and set it to 150.

Submission Instructions

- Copy all the queries from the workbench or command line client, paste them in a text editor, and save the file as carsales-mc-1.txt
- Create a git repository **mc-1-carsales-data**.
- Push the file into the repository and submit it for review.