

## Course 6 - Sprint 2: Create Database objects to Manage Data in RDBMS

### Problem Statement: C6S2PC2.1 – Cars 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.

1. Create tables that hold data of the salesperson, customers and the orders received.
2. Identify the appropriate data type for each of the entities.
3. Ensure that each of the table have a primary key.
4. Insert the following details in the salespersons' Table.

SalesId	FirstName	City	CommisionRate
1001	PEEl	London	12
1002	SeRRes	San Jose	13
1004	JudiTH	London	11
1007	rifkiN	Barcelona	15
1003	axelRod	New York	10
1004	FrAN	London	26
1008	JohN	London	0
1009	Charles	Floirda	null

5. The column with the name of the salesperson in the table cannot be null.
6. Insert the following details in the Customers Table.

7. All the column of the Customer Table should be not null.

CustomerId	Name	LastName	City	Rating	SalesId
2001	hoffmaN	Anny	London	100	1001
2002	GlovanNI	JeNNy	Rome	200	1003
2003	Liu	wiLLiams	San Jose	100	1002
2004	GraSS	HarrY	Berlin	300	1002
2005	ClemeNS	JoHN	London	200	1001
2006	cisneros	FannY	San Jose	200	1007
2007	Pereira	JonaTHAN	Rome	300	1004

8. Insert the following details in the orders Table.

9. All the column of the orders Table should be not null.

OrderId	Amount	OrderDate	CustomerId
3001	123	01-02-2020	2008
3003	187	02-10-2020	2001
3002	100	30-07-2000	2007
3005	201	9-10-2011	2003
3009	145	10-10-2012	2008
3007	167	2-4-2020	2002
3008	189	6-3-2020	2002
3010	200	23-02-2012	2006
3011	100	18-9-2000	2004

10.Delete the order details of OrderId is 3011 from the order Table.

11.Delete all salespersons whose CommisionRate is 0.

12.Update the order where the amount is less than 100. Set the amount to 20% more than the existing amount.

13. Create an index in the customer table based on the ratings.
14. Alter the commission rate for the salesperson whose commission rate is 26.  
Set the commission rate to 28.
15. Update the rating for the customers whose rating is 100 and set it as 150.

Please Note:

There is no Boilerplate URL for this practice challenge

Create new repository named “C6S2PC2.1 Cars Sales Data”

Provide the access of the repository to the mentor for review