

SQL Assignment

Problem Definition:

Cars24, a renowned organization, specialized into selling of pre-owned cars needs to maintain a data about cars e.g. Car Manufacturer (Hyundai, Honda, Toyota etc), Car Models (I10, I20, Amaze, City, Innova, Etios and so on) and the Car Sales done in the previous financial year 2019-20.

Follow the instructions to accomplish the relevant tasks:

- 1) Create the database tables as per the following:

Car_Maker		
Column	Type	Constraints
maker_id	Character Based	Primary Key
maker_name	Character Based	Not Null

Car_Models		
Column	Type	Constraints
model_code	Character Based	Primary Key
model_name	Character Based	Not Null

—	maker_id	Character Based	Foreign Key, Not Null
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Car_Sales		
Column	Type	Constraints
serial_no	Numeric	Primary Key
— model_code	Character Based	Foreign Key, Not Null
sold_on	Date	
sold_at	Numeric	Not Null

- 2) Insert the records into all the tables. **(Note: value for serial_no column from Car_Sales table must be auto-incremented.)**
- 3) Perform query operations as per the following:
 - a. Display the names of the car maker in ascending order.
 - b. Display the names of the models in descending order based upon the name of the car maker.
 - c. Display car maker names along with their respective model names.
 - d. Display the total sales of the financial year.
 - e. Display the total sales of the 3rd quarter.
 - f. Display the names of the models sold in the 1st quarter. **(Show unique values)**
 - g. Display the name of the model and the no of cars of that model sold in the 2nd quarter.
 - h. Build a view based upon Car Maker Name, Model Name and Total Sales and show the results from that view.