Schema HomePro

HomePro.Customers

CustomerId	FirstName	LastName	Email	Phone	AltPhone	FaxNumber	ZipCode	NewsLetter	State	Age
1	John	Smith	John@gmail.com	703-543-3302	703-543-3302	NULL	22201	1	VA	18
2	Jeremy	Smith	Jeremy@gmail.com	723-543-3302	NULL	NULL	22203	0	NY	23
3	Mark	Long	MarkLong@Yahoo.com	722-366-5588	NULL	NULL	22031	1	CA	64
4	Bob	James	bob@microsoft.com	703-366-9632	NULL	703-455-9632	22221	0	VA	37
5	Adam	Marcos	adam@Marcos.com	703-566-0000	NULL	703-366-0000	22001	1	NC	41

Primary Key

HomePro.Schedules

ID	CustomerId	Description	DateNeeded	JobType
1	1	Kitchen remodel needed	2013-10-10	Remodeling
2	2	Decorationg help for dinig room	2013-10-15	Decorating
3	3	Kitchen remodel needed	2015-11-29	Remodeling
4	3	Garade rebuild	2016-12-31	Rebuild

Primary Key

Foreign key

HomePro.Quotes

ID	CustomerId	Description	Estimation
1	1	Kitchen remodel	210.55
2	3	Quote with discount	875.55
3	3	Quote with additional work	10000.00

Primary Key

Foreign key

SQL Query tasks (DML)

A data manipulation language (DML) is a standard for commands that allow users to manipulate data in a database. This manipulation involves inserting data into database tables, retrieving existing data, deleting data from existing tables and modifying existing data. DML is mostly incorporated in SQL databases.

Homepro.Customers

1. Get all a data from Table Customers
2. Find all Customers with LastName = 'Smith'
3. Find all Customers that have the letter 'm' in LastName
4. Get the **FirstName, LastName, State, Age** for customers who has the letter 'm' in LastName and older than 30.
5. Get the **FirstName,LastName,Phone, Zipcode** for all clients with ZipCode '22201'.
6. Get the **FirstName,LastName,Phone,Email,FaxNumber** of all clients who does not have FaxNumber.
7. Get all data of client whose FirstName starts from letter 'M'
8. Get Names and phones of all clients subscribed on NewsLetter
9. Get information about clients who's Phone contains '703'.
10. Get information about clients whose ZipCode between '22200' and '22300'.

Homepro.Schedules

11. Find all schedules scheduled after '2016-01-01'.
12. Find all schedules scheduled within a year 2013.
13. Show all rows with JobType 'Remodeling'.
14. Show all rows where Description contains word 'kitchen'.

Homepro.Quotes

15. Find all Quotes for 'Kitchen'.
16. Find all Quotes bigger than $500.
17. Find Quotes where Description contains word 'discount'.

Send your homework to email Andrew.a4100@gmail.com for validation