

DML - Basic Select Queries

In this session, you will learn:



- Understanding Select Statement
- How to retrieve all the columns from a table
- How to retrieve specific columns from a table
- How to sort the result of a query
- How to eliminate the repetition of same data



DML - Select statement



• This statement tells the database to fetch information from a table.

Syntax

```
SELECT *|{[DISTINCT] column|expression [alias]...}
FROM <table_name>;
```

How to select all columns from a table



SELECT statement uses (*) character to retrieve all records from a table.

4541565996



Ooty

465424

Lakeview

103

FEG

Example

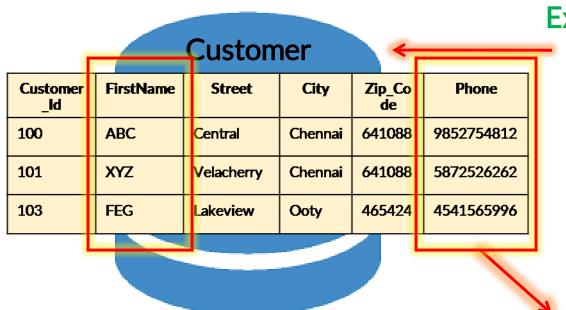
SELECT * from Customer

Customer

| Customer_ Id | FirstName | Street | City | Zip_Cod e | Phone |
|-----------------|-----------|------------|-------------|--------------|------------|
| 100 | ABC | Central | Chenna i | 641088 | 9852754812 |
| 101 | XYZ | Velacherry | Chenna i | 641088 | 5872526262 |
| 103 | FEG | Lakeview | Ooty | 465424 | 4541565996 |

How to select specific columns from a table





Example

SELECT FirstName, Phone from Customer

Customer

| FirstName | Phone |
|-----------|------------|
| ABC | 9852754812 |
| XYZ | 5872526262 |
| FEG | 4541565996 |

How to sort the results of a query



The ORDER BY clause orders or sorts the result of a query.

Customer Customer **FirstName** Street City Zip_Co Phone ld de 100 ABC Central 641088 9852754812 Chennai 101 XYZ Velacherry Chennai 641088 5872526262 Ooty 103 465424 FEG Lakeview 4541565996 Chennai 641301 102 **PQR Egmore** 3522533463

Example

SELECT Customer_Id,FirstName from Customer order by Customer_Id asc;

desc;

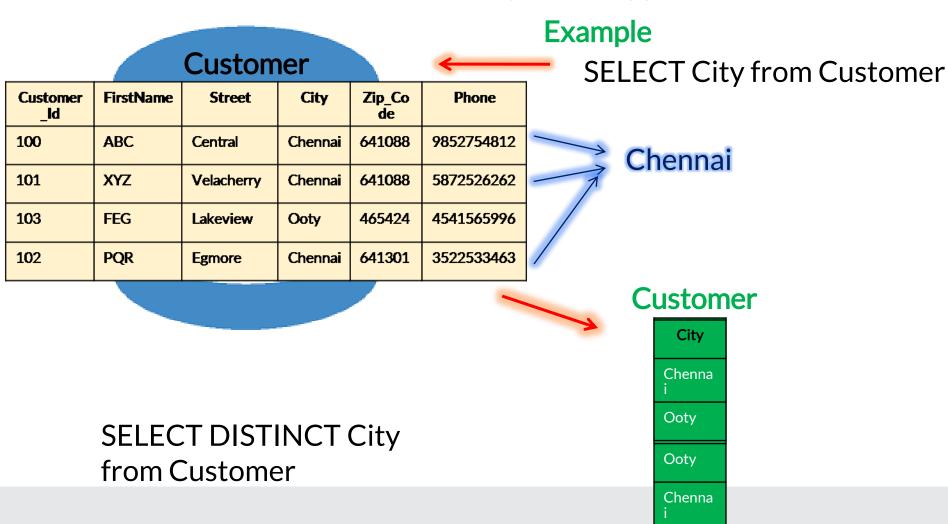
Customer

| Customer_Id | FirstName |
|-------------|-----------|
| 103 | FEG |
| 102 | PQR |
| 101 | XYZ |
| 100 | ABC |

How to remove repetition of same data



DISTINCT clause will eliminate the repetitive appearance of same data



THANKS

