



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



- 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.

Example

SELECT * from Customer

Customer

Customer_Id	FirstName	Street	City	Zip_Code	Phone
100	ABC	Central	Chennai	641088	9852754812
101	XYZ	Velacherry	Chennai	641088	5872526262
103	FEG	Lakeview	Ooty	465424	4541565996

Customer

Customer_Id	FirstName	Street	City	Zip_Code	Phone
100	ABC	Central	Chennai	641088	9852754812
101	XYZ	Velacherry	Chennai	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

Customer

Customer_Id	FirstName	Street	City	Zip_Code	Phone
100	ABC	Central	Chennai	641088	9852754812
101	XYZ	Velacherry	Chennai	641088	5872526262
103	FEG	Lakeview	Ooty	465424	4541565996

How to sort the results of a query

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

Example

```
SELECT Customer_Id, FirstName  
from Customer  
order by Customer_Id asc;  
  
desc;
```

Customer



Customer_Id	FirstName	Street	City	Zip_Code	Phone
100	ABC	Central	Chennai	641088	9852754812
101	XYZ	Velacherry	Chennai	641088	5872526262
103	FEG	Lakeview	Ooty	465424	4541565996
102	PQR	Egmore	Chennai	641301	3522533463



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

Example

SELECT City from Customer

Customer

Customer_Id	FirstName	Street	City	Zip_Code	Phone
100	ABC	Central	Chennai	641088	9852754812
101	XYZ	Velacherry	Chennai	641088	5872526262
103	FEG	Lakeview	Ooty	465424	4541565996
102	PQR	Egmore	Chennai	641301	3522533463

Chennai

Customer

City
Chennai
Ooty
Ooty
Chennai

SELECT DISTINCT City
from Customer

THANKS

