**SET OPERATORS**

These operators will display combined data from multiple tables.

UNION ALL

UNION

INTERSECT

EXCEPT

1) UNION

It will display combined data from multiple tables without duplicates.

SYNTAX:

SELECT . . . . . . FROM T1

UNION

SELECT . . . . . FROM T2

-----

----- ;

2) UNION ALL

It will display combined data from multiple tables with duplicates.

SYNTAX:

SELECT . . . . . . FROM T1

UNION ALL

SELECT . . . . . FROM T2

-----;

3) INTERSECT

It will display common data from multiple tables. (From multiple Select stmts)

SYNTAX:

SELECT . . . . . . FROM T1

INTERSECT

SELECT . . . . . FROM T2

----- ;

4) EXCEPT

It will display values from first selection by eliminating values which are repeating in second selection.

SYNTAX:

SELECT . . . . . FROM T1

MINUS

SELECT . . . . . FROM T2

MINUS

-----;

Sample Tables:

CREATE TABLE CUST\_BR1

(

CID CHAR(3),

CNAME VARCHAR(20),

MOBILE BIGINT,

CITY VARCHAR(20),

GENDER VARCHAR(10)

);

INSERT INTO CUST\_BR1 VALUES('C1','VIJAY',9800198001,'HYD','MALE');

INSERT INTO CUST\_BR1 VALUES('C2','JOHN',9800298002,'DELHI','MALE');

INSERT INTO CUST\_BR1 VALUES('C3','SWATHI',9877987700,'HYD','FEMALE');

CREATE TABLE CUST\_BR2

(

CID CHAR(3),

CNAME VARCHAR(20),

MOBILE BIGINT,

CITY VARCHAR(20),

GENDER VARCHAR(10)

);

INSERT INTO CUST\_BR2 VALUES('C1','KIRAN',9898989898,'HYD','MALE');

INSERT INTO CUST\_BR2 VALUES('C2','JOHN',9800298002,'DELHI','MALE');

INSERT INTO CUST\_BR2 VALUES('C3','LAKSHMI',8989898989,'DELHI','FEMALE');

CREATE TABLE CUST\_BR3

(

CID CHAR(3),

CNAME VARCHAR(20),

MOBILE BIGINT,

CITY VARCHAR(20),

GENDER VARCHAR(10)

);

INSERT INTO CUST\_BR3 VALUES('C1','KIRAN',9898989898,'HYD','MALE');

INSERT INTO CUST\_BR3 VALUES('C2','JOHN',9800298002,'DELHI','MALE');

INSERT INTO CUST\_BR3 VALUES('C5','VINAY',7878787878,'DELHI','MALE');

Examples:

🡪Display female customers from br1 and b3

select \* from cust\_br1 where gender='f'

union all

select \* from cust\_br3 where gender='f';

🡪get common customer names and their mobile numbers from all branches?

select cname,mobile from cust\_br1

intersect

select cname,mobile from cust\_br2

intersect

select cname, mobile from cust\_br3;

🡪Display all customers info from all branches

select \* from cust\_br1

union all

select \* from cust\_br2

union all

select \* from cust\_br3;

🡪Get the customer details without duplicates

select \* from cust\_br1

union

select \* from cust\_br2

union

select \* from cust\_br3;

🡪DISPLAY CUSTOMERS DETAILS WHO IS THE ONLY CUSTOMER FOR BRANCH 2

SELECT \* FROM CUST\_BR2

EXCEPT

(

SELECT \* FROM CUST\_BR1

UNION ALL

SELECT \* FROM CUST\_BR3

);

Note:

What are the limitations of set operators?

🡪we need to select equal number of columns from each table

🡪we need to select same data type of data in the same sequence under each select query.s