SQL CROSS JOIN

Syntax:

SELECT COLUMN\_NAME(s) FROM TABLE1,TABLE2;

INNER / EQUI JOIN

Syntax:

SELECT COLUMN\_NAME(s) FROM TABLE1, TABLE2 WHERE

TABLE1.COLUMN\_NAME = TABLE2.COLUMN\_NAME AND CONDITION

NATURAL JOIN

Syntax:

SELECT COLUMN\_NAME(s) FROM TABLE1 NATURAL JOIN TABLE2

LEFT OUTER

Syntax:

SELECT COLUMN\_NAME(S) FROM TABLE1, TABLE2 WHERE

TABLE1.COLUMN\_NAME = TABLE2.COLUMN\_NAME(+) AND CONDITION

Right OUTER

Syntax:

SELECT COLUMN\_NAME(S) FROM TABLE1, TABLE2 WHERE

TABLE1.COLUMN\_NAME (+) = TABLE2.COLUMN\_NAME AND CONDITION

FULL OUTER

Syntax:

SELECT COLUMN\_NAME(S) FROM TABLE1 FULL OUTER JOIN TABLE2 ON

TABLE1.COLUMN\_NAME = TABLE2.COLUMN\_NAME WHERE CONDITION

SELF

Syntax:

SELECT COLUMN\_NAME(s) FROM TABLE1 A, TABLE1 B

WHERE A.COLUMN\_NAME = B.COLUMN\_NAME

Creating a View:

Syntax:

CREATE VIEW VIEWNAME AS

SELECT COLUMNNAME1, COLUMNNAME2 FROM TABLENAME

WHERE COLUMNNAME=EXPRESSIONLIST;

Renaming the Columns of a View

Syntax:

CREATE VIEW VIEWNAME AS SELECT NEWCOLUMNNAME.... FROM TABLENAME WHERE COLUMNNAME =EXPRESSIONLIST;

Accessing data from a View:

Syntax:

SELECT COLUMNNAME1, COLUMNNAME2 FROM VIEWNAME WHERE SEARCH CONDITION;

Inserting data to a View:

Syntax:

INSERT IN TO view\_name(column1, column2 , column3,..)

VALUES (value1, value2, value3..);

Updating a View:

Syntax:

CREATE OR REPLACE VIEW VIEW\_NAME AS SELECT column1,coulmn2,.. FROM TABLE\_NAME WHERE condition;

Deleting a row from a View:

Syntax:

DELETE FROM VIEW\_NAME WHERE condition;

Drop a view:

Syntax:

DROP VIEW VIEW\_NAME;

Subquery in Where Clause:

Syntax:

SELECT COLUMN\_NAME FROM TABLE\_NAME

WHERE COLUMN\_NAME COMPARISION\_OPERATOR {ALL | ANY | SOME}

(SELECT COLUMN\_NAME FROM TABLE\_NAME WHERE CONDITION);

Creating table from another table:

Syntax:

CREATE TABLE NEW\_TABLE (COLUMN\_NAMES) AS (SELECT COLUMN\_NAMES

FROM OLD\_TABLE);

Creating table from another table without taking any rows:

Syntax:

CREATE TABLE NEW\_TABLE AS SELECT COLUMN\_NAMES FROM OLD\_TABLE

WHERE 1=2;

Subquery with Insert:

Syntax:

INSERT INTO TABLE\_NAME (COLUMN1, COLUMN2, COLUMN3....)

SELECT (COLUMN1, COLUMN2, COLUMN3....) FROM TABLE\_NAME

WHERE CONDITION

Subquery with Update:

Syntax:

UPDATE TABLE\_NAME SET COLUMN\_NAME = NEW\_VALUE

WHERE COLUMN\_NAME COMPARISION\_OPERATOR (SELECT COLUMN\_NAME

FROM TABLE\_NAME WHERE CONDITION)

Subquery with Delete:

Syntax:

DELETE FROM TABLE\_NAME

WHERE COLUMN\_NAME EXPRESSION OPERATOR (SELECT COLUMN\_NAME

FROM TABLE\_NAME WHERE CONDITION);

Subquery in From Clause:

Syntax:

SELECT COLUMN\_NAMESs FROM (SUBQUERY) WHERE CONDTITION

Subquery in select Clause:

Syntax:

SELECT COLUMN NAME, (SUBQUERY) AS NEW COLUMN\_NAME FROM

TABLE\_NAME WHERE CONDITION;

SQL CASE Expression:

Syntax:

CASE

WHEN condition1 THEN result1

WHEN condition2 THEN result2

WHEN conditionN THEN resultN

ELSE result

END