CREATE DATABASE employee

DROP DATABASE employee

USE employee

-- EMPLOYEE TABLE

CREATE TABLE EMPLOYEE

(

emp\_id NVARCHAR(800),

emp\_name varchar(8000),

salary bigint,

dept\_id NVARCHAR(800),

manager\_id NVARCHAR(800)

)

SELECT \* FROM EMPLOYEE

-- DELETE THE TABLE EMPLOYEE

DROP TABLE EMPLOYEE

SELECT \* FROM EMPLOYEE

-- INSERTING VALUES INTO EMPLOYEE TABLE

INSERT INTO EMPLOYEE

VALUES( 'E1' ,'CHIRAG SAHU',12000,'D1','M1'),( 'E2' ,'MUKESH YADAV',12000,'D1','M1'),( 'E3' ,'YASH MSIHRA',12000,'D2','M2'),( 'E4' ,'PARAG GUNJAL',12000,'D2','M2'),( 'E5' ,'SUMIT SHUKLA',12000,'D10','M3'),( 'E6' ,'NEW INTERN',12000,'D10','M3')

--ALTERING TABLE EMPLOYEE USING ADD / DROP

ALTER TABLE EMPLOYEE

ADD emp\_address VARCHAR(255)

SELECT \* FROM EMPLOYEE

-- WHERE Clause:-

--The WHERE clause is used to filter records.

SELECT \* FROM EMPLOYEE WHERE manager\_id = 'M1'

SELECT emp\_name ,dept\_id FROM EMPLOYEE WHERE dept\_id= 'D1'

-- UPDATE TABLE OF EMPLOYEE

UPDATE EMPLOYEE SET emp\_address = 'India'

SELECT \* FROM EMPLOYEE

-- SELECTING SPECIFIC COLUMNS

SELECT emp\_name FROM EMPLOYEE

-- CREATE A DEPARTMENT TABLE:

CREATE TABLE DEPARTMENT

(

dept\_id NVARCHAR(800),

dept\_name varchar(8000),

)

SELECT \* FROM DEPARTMENT

-- DELETE THE TABLE DEPARTMENT

DROP TABLE DEPARTMENT;

-- INSERT DATA IN DEPARMENT TABLE

INSERT INTO DEPARTMENT

VALUES ( 'D1' ,'IT'),( 'D2' ,'OPERATION'),( 'D3' ,'DEVELOPER'),( 'D4' ,'SDE')

-- SELECT QUERY OF EMPLOYEE AND DEPARTMENT:

SELECT \* FROM EMPLOYEE

SELECT \* FROM DEPARTMENT

-- USING JOIN CLAUSE ---> INNER JOIN , RIGHT JOIN, LEFT JOIN

-- FETCH THE EMPLOYEE NAME AND THE DEPARTMENT NAME THEY BELONG TO ....

-- INNER JOIN / JOIN

SELECT e.emp\_name, d.dept\_name

FROM EMPLOYEE e

INNER JOIN DEPARTMENT d on e.dept\_id = d.dept\_id

-- FETCH ALL THE EMPLOYEE NAME AND THEIR DEPARTMENT NAME THEY BELONG TO ....

-- LEFT JOIN

SELECT \* FROM EMPLOYEE

SELECT \* FROM DEPARTMENT

SELECT e.emp\_name, d.dept\_id

FROM EMPLOYEE e

LEFT JOIN DEPARTMENT d on e.dept\_id = d.dept\_id

-- FORMULA OF LEFT JOIN : INNER JOIN + ANY ADDITIONAL RECORDS IN THE LEFT TABLE.

-- FETCH ALL THE EMPLOYEE NAME AND THEIR DEPARTMENT NAME THEY BELONG TO ....

-- RIGHT JOIN

SELECT e.emp\_name, d.dept\_name

FROM EMPLOYEE e

RIGHT JOIN DEPARTMENT d on e.dept\_id = d.dept\_id

-- FORMULA OF RIGHT JOIN : INNER JOIN + ANY ADDITIONAL RECORDS IN THE RIGHT TABLE.

-- CREATING VIEW:-

-- Views in SQL are kind of virtual tables. A view also has rows and columns as they are in a real table in the database. We can create a view by selecting fields from one or more tables present in the database. A View can either have all the rows of a table or specific rows based on certain condition.

CREATE VIEW

TEST\_VIEW AS

SELECT FIRSTNAME, LASTNAME

FROM

SELECT \* FROM TEST\_VIEW

SELECT \* FROM EMPLOYEE

SELECT \* FROM DEPARTMENT