**CREATING AND ADDING VALUES:**

CREATE TABLE EMPLOYEE (Emp\_id VARCHAR(20) , Name VARCHAR(20), Location VARCHAR(20) , Date\_of\_Joining DATE);

INSERT INTO EMPLOYEE VALUES ('EMP1','Name1','HYD',STR\_TO\_DATE("August 10 2017", "%M %d %Y"));

INSERT INTO EMPLOYEE VALUES ('EMP2','Name2','USA',STR\_TO\_DATE("November 16 2019", "%M %d %Y"));

INSERT INTO EMPLOYEE VALUES ('EMP3','Name3','DEL',STR\_TO\_DATE("June 17 2015", "%M %d %Y"));

INSERT INTO EMPLOYEE VALUES ('EMP4','Name4','HYD',STR\_TO\_DATE("September 18 2019", "%M %d %Y"));

INSERT INTO EMPLOYEE VALUES ('EMP5','Name5','USA',STR\_TO\_DATE("December 21 2013", "%M %d %Y"))

INSERT INTO EMPLOYEE VALUES ('EMP6','Name6','HYD',STR\_TO\_DATE("May 27 2015", "%M %d %Y"));

CREATE TABLE EMPLOYEE\_CONTACTS(Emp\_id VARCHAR(20) , Phone\_number BIGINT , FOREIGN KEY (Emp\_id) REFERENCES EMPLOYEE(Emp\_id));

INSERT INTO EMPLOYEE\_CONTACTS VALUES('EMP1',1111111111);

INSERT INTO EMPLOYEE\_CONTACTS VALUES('EMP1',11111111112);

INSERT INTO EMPLOYEE\_CONTACTS VALUES('EMP2',2222222221);

INSERT INTO EMPLOYEE\_CONTACTS VALUES('EMP2',2222222222);

INSERT INTO EMPLOYEE\_CONTACTS VALUES('EMP2',2222222223);

INSERT INTO EMPLOYEE\_CONTACTS VALUES('EMP3',3333333331);

INSERT INTO EMPLOYEE\_CONTACTS VALUES('EMP3',3333333332);

INSERT INTO EMPLOYEE\_CONTACTS VALUES('EMP4',4444444441);

INSERT INTO EMPLOYEE\_CONTACTS VALUES('EMP4',4444444442);

INSERT INTO EMPLOYEE\_CONTACTS VALUES('EMP4',4444444443);

INSERT INTO EMPLOYEE\_CONTACTS VALUES('EMP5',5555555551);

INSERT INTO EMPLOYEE\_CONTACTS VALUES('EMP5',5555555552);

INSERT INTO EMPLOYEE\_CONTACTS VALUES('EMP5',5555555553);

INSERT INTO EMPLOYEE\_CONTACTS VALUES('EMP6',6666666661);

CREATE TABLE EMPLOYEE\_TECH(Emp\_id VARCHAR(20) , Tech\_Known VARCHAR(20) , FOREIGN KEY (Emp\_id) References EMPLOYEE(Emp\_id));

INSERT INTO EMPLOYEE\_TECH VALUES('EMP1','JavaScript');

INSERT INTO EMPLOYEE\_TECH VALUES('EMP1','SQL');

INSERT INTO EMPLOYEE\_TECH VALUES('EMP1','Html');

INSERT INTO EMPLOYEE\_TECH VALUES('EMP2','JavaScript');

INSERT INTO EMPLOYEE\_TECH VALUES('EMP2','SQL');

INSERT INTO EMPLOYEE\_TECH VALUES('EMP3','JavaScript');

INSERT INTO EMPLOYEE\_TECH VALUES('EMP3','SQL');

INSERT INTO EMPLOYEE\_TECH VALUES('EMP3','Html');

INSERT INTO EMPLOYEE\_TECH VALUES('EMP4','JavaScript');

INSERT INTO EMPLOYEE\_TECH VALUES('EMP4','SQL');

INSERT INTO EMPLOYEE\_TECH VALUES('EMP4','Html');

INSERT INTO EMPLOYEE\_TECH VALUES('EMP5','JavaScript');

INSERT INTO EMPLOYEE\_TECH VALUES('EMP5','SQL');

INSERT INTO EMPLOYEE\_TECH VALUES('EMP6','JavaScript');

INSERT INTO EMPLOYEE\_TECH VALUES('EMP6','SQL');

CREATE TABLE EMPLOYEE\_PROJECTS(Emp\_id VARCHAR(20) , Project\_Name VARCHAR(20) , FOREIGN KEY (Emp\_id) REFERENCES EMPLOYEE(Emp\_id));

INSERT INTO EMPLOYEE\_PROJECTS VALUE('EMP1' , 'Project1');

INSERT INTO EMPLOYEE\_PROJECTS VALUE('EMP1' , 'Project2');

INSERT INTO EMPLOYEE\_PROJECTS VALUE('EMP2' , 'Project1');

INSERT INTO EMPLOYEE\_PROJECTS VALUE('EMP3' , 'Project1');

INSERT INTO EMPLOYEE\_PROJECTS VALUE('EMP3' , 'Project2');

INSERT INTO EMPLOYEE\_PROJECTS VALUE('EMP4' , 'Project1');

INSERT INTO EMPLOYEE\_PROJECTS VALUE('EMP4' , 'Project2');

INSERT INTO EMPLOYEE\_PROJECTS VALUE('EMP5' , 'Project1');

INSERT INTO EMPLOYEE\_PROJECTS VALUE('EMP6' , 'Project1');

INSERT INTO EMPLOYEE\_PROJECTS VALUE('EMP6' , 'Project2');

INSERT INTO EMPLOYEE\_PROJECTS VALUE('EMP6' , 'Project3');

**Query:**

**a**. SELECT \* FROM EMPLOYEE WHERE Date\_of\_Joining > DATE\_ADD(NOW() , INTERVAL -3 MONTH)

AND Location = 'HYD';

**b**. WITH Temp AS ( SELECT E.Emp\_id , E.Location , ET.Tech\_Known From EMPLOYEE E, EMPLOYEE\_TECH ET WHERE ET.Emp\_id = E.Emp\_id) SELECT COUNT(DISTINCT Em\_ID),Location FROM Temp WHERE Tech\_Known = 'JavaScript' OR Tech\_Known = 'html' GROUP BY (Location);

**c.** SELECT DISTINCT Emp\_id , COUNT(Tech\_Known) FROM EMPLOYEE\_TECH GROUP BY (Emp\_id);

**d**. SELECT \* FROM EMPLOYEE WHERE Date\_of\_Joining > DATE\_ADD(NOW() , INTERVAL -1 DAY);