```
CREATE TABLE EMPLOYEE(EMP_NAME CHAR(30), EMP_ID INTEGER, EMP_DEPT CHAR(30));

INSERT INTO EMPLOYEE VALUES('SRIDHAR',1923,'MPC');

INSERT INTO EMPLOYEE VALUES('SRIKANTH',1924,'SPC');

INSERT INTO EMPLOYEE VALUES('UZHMAA',1925,'EEE');

INSERT INTO EMPLOYEE VALUES('KAVYA',1926,'CSE');

SELECT * FROM EMPLOYEE;
```

```
CREATE TABLE DEPT(DEPT_NAME CHAR(30), EMP_ID INTEGER, DEPT_ID CHAR(30));

INSERT INTO DEPT VALUES('COMPUTER SCIENCE',1923,'CSA');

INSERT INTO DEPT VALUES('ELECTRIC ENGINEERING',1924,'EEA');

INSERT INTO DEPT VALUES('ELECTRONIC EDUCATION',1925,'UBA');

INSERT INTO DEPT VALUES('CUBER SECURITY',1926,'API');

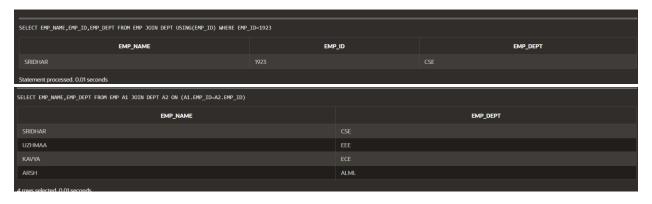
INSERT INTO DEPT VALUES('MACHINE LEARNING',1927,'ECA');

SELECT * FROM DEPT;
```

```
SELECT EMP_NAME, EMP_ID, EMP_DEPT FROM EMP NATURAL JOIN DEPT WHERE EMP_ID>1920;
```

EMP_ID	EMP_DEPT CSE
	CSE
	EEE
	ALML

1 SELECT EMP NAME, EMP ID, EMP DEPT FROM EMP JOIN DEPT USING(EMP ID);



-----JOIN USING------



SELECT EMPLOYEE_INAME, EMPLOYEE_ID, DEPARTMENT FROM EMPLOYEES1 JOIN DEPARTMENT2 USING(DEPARTMENT) WHERE EMPLOYEE_ID-455689				
EMPLOYEE_NAME	EMPLOYEE_ID	DEPARTMENT		
SRIKANTH	455689			
Statement processed. 0.01 seconds				

WITHOUT USING WHERE

SELECT EMPLOYEE_NAME, EMPLOYEE_ID, DEPARTMENT FROM EMPLOYEES1 JOIN DEPARTMENT2 USING (DEPARTMENT);

SELECT EMPLOYEE_NAME, EMPLOYEE_ID, DEPARTMENT FROM EMPLOYEES1 JOIN DEPARTMENT2 USING(DEPARTMENT)				
EMPLOYEE_NAME	EMPLOYEE_ID	DEPARTMENT		
SRIKANTH	455689	CSE		
SRIDHAR	465433	Al		
UDAY	2898975	AIDS		
SRIPATHI	2565649	AIML		
4 rows selected. 0.01 seconds				

-----ON CLAUSE------

SELECT EMPLOYEE_NAME, SALARY FROM EMPLOYEES1 E1 JOIN DEPARTMENT2 D2 ON (E1.DEPARTMENT=D2.DEPARTMENT);

ELECT EMPLOYEE_NAME, SALARY FROM EMPLOYEES1 E1 JOIN DEPARTMENT2 D2 ON (E1.DEPARTMENT=D2.DEPARTMENT)			
EMPLOYEE_NAME	SALARY		
SRIKANTH	10000		
SRIDHAR	25000		
UDAY	5000		
SRIPATHI	6000		
t rows selected. 0.01 seconds			

-----ON CLAUSE WITH WHERE CLAUSE-----

SELECT E1.EMPLOYEE_NAME, E1.EMPLOYEE_ID, E1.SALARY, D2.DEPARTMENT FROM EMPLOYEES1 E1 LEFT OUTER JOIN DEPARTMENT2 D2 ON (E1.DEPARTMENT=D2.DEPARTMENT);

 SELECT E1.EMPLOYEE_NAME, E1.EMPLOYEE_ID, E1.SALARY, D2.DEPARTMENT FROM EMPLOYEESI E1 LEFT OUTER JOIN DEPARTMENT2 D2 ON (E1.DEPARTMENT=D2.DEPARTMENT)

 EMPLOYEE_NAME
 EMPLOYEE_ID
 SALARY
 DEPARTMENT

 SRICANTH
 455689
 10000
 CSE

 SRIDHAR
 465435
 25000
 AI

 UDAY
 2898975
 5000
 AIDS

 SRIPATHI
 2565649
 6000
 AIML

------RIGHT JOINING------

C Q A::

SELECT E1.EMPLOYEE_NAME, E1.EMPLOYEE_ID, E1.SALARY, D2.DEPARTMENT FROM EMPLOYEES1 E1 RIGHT OUTER JOIN DEPARTMENT2 D2 ON (E1.DEPARTMENT=D2.DEPARTMENT);

 EMPLOYEE_NAME
 EMPLOYEE_ID
 SALARY
 DEPARTMENT

 SRIKANTH
 455689
 10000
 CSE

 SRIDHAR
 465433
 25000
 AI

 UDAY
 2898975
 5000
 AIDS

 SRIPATHI
 2565649
 6000
 AIML

-----FULL OUTER JOIN-----

SELECT E1.EMPLOYEE_NAME,E1.EMPLOYEE_ID,E1.SALARY,D2.DEPARTMENT FROM EMPLOYEES1 E1 FULL OUTER JOIN DEPARTMENT2 D2 ON (E1.DEPARTMENT=D2.DEPARTMENT);

-----SELF JOIN-----

SELECT WORKER.EMPLOYEE_NAME || 'WORKS FOR '| MANAGER.DEPARTMENT

AS "WORKS FOR" FROM EMPLOYEES1 WORKER

DOIN EMPLOYEES1 MANAGER ON (WORKER.DEPARTMENT=MANAGER.DEPARTMENT);

SELECT WORKER.EMPLOYEE_NAME ||'WORKS FOR '||MANAGER.DEPARTMENT AS "WORKS FOR" FROM EMPLOYEESI WORKER JOIN EMPLOYEESI MANAGER ON (WORKER.DEPARTMENT=MANAGER.DEPARTMENT)

WORKS FOR

SRIKANTHWORKS FOR CSE

SRIDHARWORKS FOR AID

UDAYWORKS FOR AIDS

SRIPATHIWORKS FOR AIML

-----SAME TABLE-----

SELECT WORKER.EMPLOYEE_NAME || 'WORKS FOR '|| MANAGER.EMPLOYEE_NAME

AS "WORKS FOR" FROM EMPLOYEES1 WORKER

JOIN EMPLOYEES1 MANAGER ON (WORKER.EMPLOYEE_NAME=MANAGER.EMPLOYEE_NAME);

SELECT WORKER.EMPLOYEE_MANE | | 'WORKS FOR ' | | | MANAGER.EMPLOYEE_MANE AS "WORKS FOR" FROM EMPLOYEESI MORKER

WORKS FOR

SRIKANTH-WORKS FOR SRIKANTH

SRIDHARWORKS FOR SRIDHAR

UDAYWORKS FOR UDAY

SRIPATHIWORKS FOR SRIPATH

SELF JOIN EXAMPLE-----

SELECT WORKER.EMPLOYEE_NAME, WORKER.EMPLOYEE_ID, MANAGER.DEPARTMENT

AS DEPARTMENT FROM EMPLOYEES1 WORKER

JOIN EMPLOYEES1 MANAGER ON (WORKER.EMPLOYEE_NAME=MANAGER.EMPLOYEE_NAME);

UDAY 2898975 AIDS	SELECT WORKER.EMPLOYEE_NAME, WORKER.EMPLOYEE_ID,MANAGER.DEPARTMENT AS DEPARTMENT FROM EMPLOYEES1 WORKER. JOIN EMPLOYEES1 MANAGER ON (WORKER.EMPLOYEE_NAME=MANAGER.EMPLOYEE_NAME)			
SRIDHAR 465433 AI UDAY 2898975 AIDS	EMPLOYEE_NAME	EMPLOYEE_ID	DEPARTMENT	
UDAY 2898975 AIDS	SRIKANTH	455689		
	SRIDHAR	465433		
SRIPATHI 2565649 AIML	UDAY	2898975	AIDS	
	SRIPATHI	2565649	AIML	