

```
1 CREATE TABLE EMPLOYEE(EMP_NAME CHAR(30), EMP_ID INTEGER, EMP_DEPT CHAR(30));
2 INSERT INTO EMPLOYEE VALUES('SRIDHAR',1923,'MPC');
3 INSERT INTO EMPLOYEE VALUES('SRIKANTH',1924,'SPC');
4 INSERT INTO EMPLOYEE VALUES('UZHMAA',1925,'EEE');
5 INSERT INTO EMPLOYEE VALUES('KAVYA',1926,'CSE');
6 SELECT * FROM EMPLOYEE;
```

```
1 CREATE TABLE DEPT(DEPT_NAME CHAR(30), EMP_ID INTEGER, DEPT_ID CHAR(30));
2 INSERT INTO DEPT VALUES('COMPUTER SCIENCE',1923,'CSA');
3 INSERT INTO DEPT VALUES('ELECTRIC ENGINEERING',1924,'EEA');
4 INSERT INTO DEPT VALUES('ELECTRONIC EDUCATION',1925,'UBA');
5 INSERT INTO DEPT VALUES('CUBER SECURITY',1926,'API');
6 INSERT INTO DEPT VALUES('MACHINE LEARNING',1927,'ECA');
7 SELECT * FROM DEPT;
```

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

SELECT EMP_NAME, EMP_ID, EMP_DEPT FROM EMP JOIN DEPT USING(EMP_ID)

EMP_NAME	EMP_ID	EMP_DEPT
SRIDHAR	1923	CSE
UZHMAA	1924	EEE
KAVYA	1925	ECE
ARSH	1926	ALML

```
1 SELECT EMP_NAME, EMP_ID, EMP_DEPT FROM EMP JOIN DEPT USING(EMP_ID);
```

SELECT EMP_NAME,EMP_ID,EMP_DEPT FROM EMP JOIN DEPT USING(EMP_ID) WHERE EMP_ID=1923

EMP_NAME	EMP_ID	EMP_DEPT
SRIDHAR	1923	CSE

Statement processed. 0.01 seconds

SELECT EMP_NAME,EMP_DEPT FROM EMP A1 JOIN DEPT A2 ON (A1.EMP_ID=A2.EMP_ID)

EMP_NAME	EMP_DEPT
SRIDHAR	CSE
UZHMAA	EEE
KAVYA	ECE
ARSH	ALML

4 rows selected. 0.01 seconds

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

SELECT EMPLOYEE_NAME,EMPLOYEE_ID,DEPARTMENT FROM EMPLOYEES1 JOIN DEPARTMENT2 USING(DEPARTMENT) WHERE EMPLOYEE_ID=455689;		
--	--	--

SELECT EMPLOYEE_NAME,EMPLOYEE_ID,DEPARTMENT FROM EMPLOYEES1 JOIN DEPARTMENT2 USING(DEPARTMENT) WHERE EMPLOYEE_ID=455689		
EMPLOYEE_NAME	EMPLOYEE_ID	DEPARTMENT
SRIKANTH	455689	CSE
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	AI
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);		
--	--	--

SELECT 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
4 rows selected. 0.01 seconds	

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

```
SELECT EMPLOYEE_NAME,SALARY FROM EMPLOYEES1 E1 JOIN DEPARTMENT2 D2 ON (E1.DEPARTMENT=D2.DEPARTMENT) WHERE EMPLOYEE_NAME LIKE 'S%';
```

EMPLOYEE_NAME		SALARY
SRIKANTH		10000
SRIDHAR		25000
SRIPATHI		6000

5 rows selected. 0.00 seconds

-----2.8.24-----class-----LEFT JOINING-----

```
SELECT E1.EMPLOYEE_NAME,E1.EMPLOYEE_ID,E1.SALARY,D2.DEPARTMENT FROM EMPLOYEES1 E1 LEFT 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

4 rows selected. 0.01 seconds

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

```
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

4 rows selected. 0.00 seconds

-----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);
```

```
SELECT E1.EMPLOYEE_NAME,E1.EMPLOYEE_ID,E1.SALARY,D2.DEPARTMENT FROM EMPLOYEES1 E1 FULL 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

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

```
SELECT WORKER.EMPLOYEE_NAME || 'WORKS FOR ' || MANAGER.DEPARTMENT
AS "WORKS FOR" FROM EMPLOYEES1 WORKER
JOIN EMPLOYEES1 MANAGER ON (WORKER.DEPARTMENT=MANAGER.DEPARTMENT);
```

```
SELECT WORKER.EMPLOYEE_NAME || 'WORKS FOR ' || MANAGER.DEPARTMENT AS "WORKS FOR" FROM EMPLOYEES1 WORKER JOIN EMPLOYEES1 MANAGER ON (WORKER.DEPARTMENT=MANAGER.DEPARTMENT)
```

WORKS FOR
SRIKANTHWORKS FOR CSE
SRIDHARWORKS FOR AI
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_NAME || 'WORKS FOR ' || MANAGER.EMPLOYEE_NAME AS "WORKS FOR" FROM EMPLOYEES1 WORKER JOIN EMPLOYEES1 MANAGER ON (WORKER.EMPLOYEE_NAME=MANAGER.EMPLOYEE_NAME)
```

WORKS FOR
SRIKANTHWORKS FOR SRIKANTH
SRIDHARWORKS FOR SRIDHAR
UDAYWORKS FOR UDAY
SRIPATHIWORKS FOR SRIPATHI

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);
```

```
SELECT WORKER.EMPLOYEE_NAME, WORKER.EMPLOYEE_ID,MANAGER.DEPARTMENT AS DEPARTMENT FROM EMPLOYEES1 WORKER JOIN EMPLOYEES1 MANAGER ON (WORKER.EMPLOYEE_NAME=MANAGER.EMPLOYEE_NAME)
```

EMPLOYEE_NAME	EMPLOYEE_ID	DEPARTMENT
SRIKANTH	455689	CSE
SRIDHAR	465433	AI
UDAY	2898975	AIDS
SRIPATHI	2565649	AIML