

- **CREATE EMPLOYEE TABLE**

```
CREATE TABLE EMPLOYEE (  
    empld int,  
    name varchar(15),  
    dept_id int  
)
```

```
INSERT INTO EMPLOYEE(empld,name,dept_id) VALUES (1, 'Sushil', 101);
```

```
INSERT INTO EMPLOYEE(empld,name,dept_id) VALUES (2, 'Bhavesh', 102);
```

```
INSERT INTO EMPLOYEE(empld,name,dept_id) VALUES (3, 'Payal', 103);
```

```
INSERT INTO EMPLOYEE(empld,name,dept_id) VALUES (4, 'Charu', 104);
```

```
INSERT INTO EMPLOYEE(empld,name,dept_id) VALUES (5, 'Vaidehi', 105);
```

```
SELECT * FROM EMPLOYEE;
```

empld	name	dept_id
1	Sushil	101
2	Bhavesh	102
3	Payal	103
4	Charu	104
5	Vaidehi	105

- Create the DEPARTMENT table

```
CREATE TABLE DEPARTMENT (  
    dept_id INT,  
    dept_name VARCHAR(15)  
);
```

```
INSERT INTO DEPARTMENT (dept_id, dept_name) VALUES (101, 'HR');
```

```
INSERT INTO DEPARTMENT (dept_id, dept_name) VALUES (102, 'Finance');
```

```
INSERT INTO DEPARTMENT (dept_id, dept_name) VALUES (103, 'IT');
```

```
INSERT INTO DEPARTMENT (dept_id, dept_name) VALUES (104, 'Marketing');
```

```
INSERT INTO DEPARTMENT (dept_id, dept_name) VALUES (105, 'IT');
```

SELECT * FROM DEPARTMENT;

DEPARTMENT	
dept_id	dept_name
101	HR
102	Finance
103	IT
104	Marketing
105	IT
101	HR
102	Finance
103	IT
104	Marketing
105	IT

INNER JOIN

SELECT EMPLOYEE.empId, EMPLOYEE.name, DEPARTMENT.dept_name

FROM EMPLOYEE

INNER JOIN DEPARTMENT

ON EMPLOYEE.dept_id = DEPARTMENT.dept_id;

SELECT * FROM DEPARTMENT;

empId	name	dept_name
1	Sushil	HR
1	Sushil	HR
2	Bhavesh	Finance
2	Bhavesh	Finance
3	Payal	IT
3	Payal	IT
4	Charu	Marketing
4	Charu	Marketing
5	Vaidehi	IT
5	Vaidehi	IT

dept_id	dept_name
101	HR
102	Finance
103	IT
104	Marketing
105	IT
101	HR

102	Finance
103	IT
104	Marketing
105	IT

LEFT JOIN

SELECT EMPLOYEE.empId, EMPLOYEE.name, DEPARTMENT.dept_name

FROM EMPLOYEE

LEFT JOIN DEPARTMENT

ON EMPLOYEE.dept_id = DEPARTMENT.dept_id;

SELECT * FROM DEPARTMENT;

empId	name	dept_name
1	Sushil	HR
1	Sushil	HR
2	Bhavesb	Finance
2	Bhavesb	Finance
3	Payal	IT
3	Payal	IT
4	Charu	Marketing
4	Charu	Marketing
5	Vaidehi	IT
5	Vaidehi	IT

dept_id	dept_name
101	HR
102	Finance
103	IT
104	Marketing
105	IT

101	HR
102	Finance
103	IT
104	Marketing
105	IT

RIGHT JOIN

```

SELECT EMPLOYEE.empId, EMPLOYEE.name, DEPARTMENT.dept_name
FROM EMPLOYEE
RIGHT JOIN DEPARTMENT
ON EMPLOYEE.dept_id = DEPARTMENT.dept_id;
SELECT * FROM DEPARTMENT;

```

FULL OUTER JOIN

```

SELECT EMPLOYEE.empId, EMPLOYEE.name, DEPARTMENT.dept_name
FROM EMPLOYEE
FULL OUTER JOIN DEPARTMENT
ON EMPLOYEE.dept_id = DEPARTMENT.dept_id;
SELECT * FROM DEPARTMENT;

```