

Exp 6 :

```
CREATE TABLE Departments (  
    Department_ID INT PRIMARY KEY,  
    Department_Name VARCHAR(100)  
);
```

```
CREATE TABLE Employee_Details (  
    Employee_ID INT PRIMARY KEY,  
    Employee_Name VARCHAR(255),  
    Department_ID INT,  
    Salary DECIMAL(10, 2),  
    Hire_Date DATE,  
    FOREIGN KEY (Department_ID) REFERENCES Departments(Department_ID)  
);
```

```
INSERT INTO Departments (Department_ID, Department_Name)  
VALUES  
(1, 'IT'),  
(2, 'HR'),  
(3, 'Finance'),  
(4, 'Marketing');
```

```
INSERT INTO Employee_Details (Employee_ID, Employee_Name, Department_ID, Salary, Hire_Date)  
VALUES  
(1, 'Amit Verma', 1, 60000.00, '2020-01-15'),  
(2, 'Sneha Patel', 2, 45000.00, '2018-07-20'),  
(3, 'Rahul Sharma', 3, 70000.00, '2019-05-10'),  
(4, 'Pooja Singh', 1, 80000.00, '2021-09-01'),  
(5, 'Ravi Kumar', NULL, 50000.00, '2017-12-11'); -- Employee without a department
```

--inner join

```
SELECT e.Employee_Name, d.Department_Name  
FROM Employee_Details e  
INNER JOIN Departments d ON e.Department_ID = d.Department_ID;
```

--left join

```
SELECT e.Employee_Name, d.Department_Name  
FROM Employee_Details e  
LEFT JOIN Departments d ON e.Department_ID = d.Department_ID;
```

--right join

```
SELECT d.Department_Name, e.Employee_Name  
FROM Departments d  
RIGHT JOIN Employee_Details e ON e.Department_ID = d.Department_ID; SELECT  
d.Department_Name, e.Employee_Name  
FROM Departments d  
RIGHT JOIN Employee_Details e ON e.Department_ID = d.Department_ID;
```

--full outer join

```
SELECT e.Employee_Name, d.Department_Name  
FROM Employee_Details e  
FULL OUTER JOIN Departments d ON e.Department_ID = d.Department_ID;
```