

```
CREATE table employee(EMPID INT,EMPNAME VARCHAR(20),DEPTID INT,SALARY INT,HIREDATE
DATE,DEPTID INT,DEPTNAME VARCHAR(20));
```

```
DESC EMPLOYEE;
```

```
INSERT INTO employee (EMPID, EMPNAME, DEPTID, SALARY, HIREDATE,DEPTID,DEPTNAME)
VALUES
```

```
(101, 'Ramya', 1, 20000, '2018-02-12',1,'IT'),
```

```
(102, 'John', 2, 30000, '2017-07-10',2,'CSE'),
```

```
(103, 'Alice', 3, 40000, '2023-03-11',3,'IT'),
```

```
(104, 'Carol', 4, 50000, '2020-10-12',4,'CSE');
```

```
SELECT * FROM employee;
```

11. Display employees whose names start with 'A'.

12. Find employees whose salary is between 45,000 and 60,000.

13. Show the department name of each employee (JOIN query).

14. Find the number of employees in each department.

15. Display all employees, including those without a department (LEFT JOIN).

11.Display employees whose name start with 'A'.

```
SELECT EMPNAME FROM employee WHERE EMPNAME LIKE 'A%';
```

12.Find employees whose salary is between 45,000and60,000.

```
SELECT SALARY FROM employee WHERE SALARY BETWEEN 45000 AND 60000;
```

13.Show the department name of each employee(join query).

```
CREATE TABLE department (
```

```
DEPTID INT,
```

```
DEPTNAME VARCHAR(20)
```

```
);
```

```
CREATE TABLE employee (
```

```

EMPID INT,
EMPNAME VARCHAR(20),
DEPTID INT,
SALARY INT,
HIREDATE DATE
);
INSERT INTO department (DEPTID, DEPTNAME)
VALUES
(1, 'IT'),
(2, 'CSE'),
(3, 'IT'),
(4, 'CSE');
INSERT INTO employee (EMPID, EMPNAME, DEPTID, SALARY, HIREDATE)
VALUES
(101, 'Ramya', 1, 20000, '2018-02-12'),
(102, 'John', 2, 30000, '2017-07-10'),
(103, 'Alice', 3, 40000, '2023-03-11'),
(104, 'Carol', 4, 50000, '2020-10-12');
SELECT e.EMPNAME, e.SALARY, d.DEPTNAME
FROM employee e
JOIN department d ON e.DEPTID = d.DEPTID;

```

14.Find the no of employee in each department.

```

SELECT d.DEPTNAME, COUNT(*) AS NumOfEmployees
FROM employee e
JOIN department d ON e.DEPTID = d.DEPTID
GROUP BY d.DEPTNAME;

```

15.Display all employee including those without a department(left join)

```
SELECT e.EMPNAME, e.SALARY, d.DEPTNAME
```

```
FROM employee e
```

```
LEFT JOIN department d ON e.DEPTID = d.DEPTID;
```