In Employee & Department tables, write a SQL query for the following scenarios.

1) to fetch last x number of records

Soln: Let us consider Employee table having following fields:

```
Employee(Empld,EmpName,DeptNo,Salary)
```

Where Empid is the primary key in the employee table and Deptno is the foreign key that References Deptno in the Department table.

Structure of Employee Table:

Create table Employee(Empld int Primary Key,

EmpName varchar(20),

DeptNo int Foreign Key references Department(Deptno),

Salary int)

Let us consider Department table having following fields:

Department(DeptNo,DeptName)

Where Deptno is the primary key in the department table.

Create table Department(DeptNo int Primary Key,

DeptName varchar(20),

To fetch last x number of records in Employee Table:

(Select * from Employee Order By Empld Desc Limit x) Order by Empld Asc

To fetch last x number of records in Department Table:

(Select * from Department Order By DeptNo Desc Limit x) Order by DeptNo Asc

2) To create a report of employees having max salary for each department and should be listed max salary first.

Soln) Since we want information from both Employee and Department we need to create a join so that we can have information from both tables.

```
Select Empld,
```

EmpName,

Salary,

DeptName

FROM (Select Empld,

EmpName.

Salary,

DeptNo,

DENSE_RANK() over (PARTITION BY D.DeptNo order by E.Salary DESC) as rnk

FROM Employee E INNER JOIN Department D on E.DeptNo = D.DeptNo

) AS temp

WHERE RowNum=1