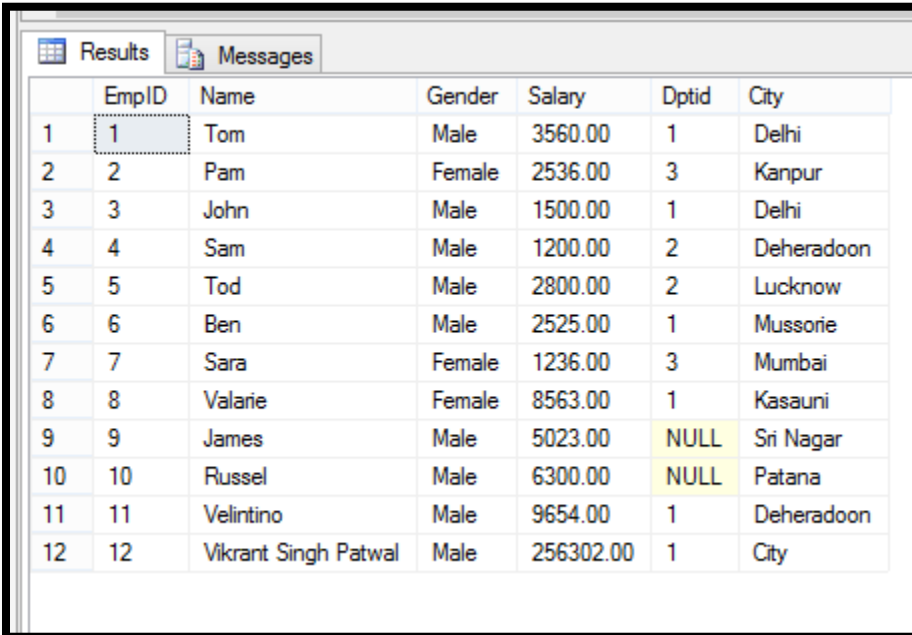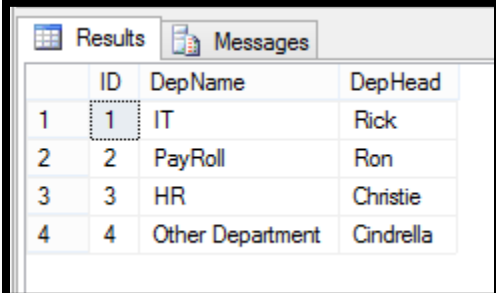# SQL Views

View is a virtual table based on the result-set of an SQL statement.
A view contains rows and columns, just like a real table. The fields in a view are fields from one or more real tables in the database.

SQL Server provides a better way to save this query in the database catalog through a view. A view is a named query stored in the database catalog that allows you to refer to it later.

	EmpID	Name	Gender	Salary	Dptid	City
1	1	Tom	Male	3560.00	1	Delhi
2	2	Pam	Female	2536.00	3	Kanpur
3	3	John	Male	1500.00	1	Delhi
4	4	Sam	Male	1200.00	2	Deheradoon
5	5	Tod	Male	2800.00	2	Lucknow
6	6	Ben	Male	2525.00	1	Mussorie
7	7	Sara	Female	1236.00	3	Mumbai
8	8	Valarie	Female	8563.00	1	Kasauni
9	9	James	Male	5023.00	NULL	Sri Nagar
10	10	Russel	Male	6300.00	NULL	Patana
11	11	Velintino	Male	9654.00	1	Deheradoon
12	12	Vikrant Singh Patwal	Male	256302.00	1	City

	ID	DepName	DepHead
1	1	IT	Rick
2	2	PayRoll	Ron
3	3	HR	Christie
4	4	Other Department	Cindrella

--- Create View Count Department wise

```sql
Create View VTCountDepWise
As
Select D.DepName, COUNT(D.ID)as TotalCount
From tblEmp E
Join tblDepart D
on E.Dptid =D.ID
Group by D.DepName

Select * from VTCountDepWise
```

-- How to Execute View

```sql
Select * From VWEmpByDept
```

-- Update View

```sql
update vWEmpDetail
set  Salary=70000 where
empid=7
```

-- Alter View

```sql
Alter View VWEmpByDept
As
Select EmpID,Name,DepName, DepHead
From tblEmp E
Join tblDepart D
on E.Dptid = D.ID
```

-- Drop View

```sql
Drop View VWEmpByDept
```

-- How to create view with schema binding

```sql
Create View [dbo].[VTEmpInfo]
With SCHEMABINDING
As
Select Name,Salary,Gender
From dbo.tblEmp
```