Part 39 – Views in SQL Server

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In this session we will learn

- What is a view
- Advantages of using views

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Views

What is a View?
A view is nothing more than a saved SQL query. A view can also be considered as a virtual table

DeptId	DeptName
1	IT
2	Payroll
3	HR
4	Admin

Id	Name	Salary	Gender	DepartmentId
1	John	5000	Male	3
2	Mike	3400	Male	2
3	Pam	6000	Female	1
4	Todd	4800	Male	4
5	Sara	3200	Female	1
6	Ben	4800	Male	3

Id	Name	Salary	Gender	DeptName
1	John	5000	Male	HR
2	Mike	3400	Male	Payroll
3	Pam	6000	Female	IT
4	Todd	4800	Male	Admin
5	Sara	3200	Female	IT
6	Ben	4800	Male	HR

```sql
Select Id, Name, Salary, Gender, DeptName
from tblEmployee
join tblDepartment
on tblEmployee.DepartmentId = tblDepartment.DeptId
```

```sql
Create View vWEmployeesByDepartment
as
Select Id, Name, Salary, Gender, DeptName
from tblEmployee
join tblDepartment
on tblEmployee.DepartmentId = tblDepartment.DeptId
```

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Advantages of views

Views can be used to reduce the **complexity of the database schema**

Views can be used as a mechanism to implement **row and column level security.**

Views can be used to **present aggregated data** and hide detailed data.

To modify a view - ALTER VIEW statement
To Drop a view - DROP VIEW vWName

Additional Resources

- ## PRAGIM Home Page:

  - www.PragimTech.com

- ## Resources:

  - ASP.NET Interview Questions
  - www.VenkatASPInterview.Blogspot.com
  - C# Interview Questions
  - www.VenkatCSharpInterview.Blogspot.com
  - SQL Server Interview Questions
  - www.venkatsqlinterview.Blogspot.com

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