SQL Server Tutorial

Part 89 - Intersect operator in SQL Server

Venkat
PRAGIM Technologies
kudvenkat@gmail.com
http://csharp-video-tutorials.blogspot.com

PragimTech.com | facebook.com/pragimtech | twitter.com/kudvenkat | 91 99456 99393

1

In this session we will learn

- INTERSECT operator in SQL Server
- Difference between INTERSECT & INNER JOIN

Link to Dot Net Basics, ASP.NET, C#, ADO.NET and SQL Server video series
http://www.youtube.com/user/kudvenkat/playlists

Suggested Videos
Part 86 - How to find blocking queries in sql server
Part 87 - SQL Server except operator
Part 88 - Difference between except and not in sql server

INTERSECT Operator in SQL Server

Intersect operator retrieves the common records from both the left and the right query of the Intersect operator

- Introduced in SQL Server 2005
- The number and the order of the columns must be same in both the queries
- The data types must be same or at least compatible

Table A

Id	Name	Gender
1	Mark	Male
2	Mary	Female
3	Steve	Male

Table B

Id	Name	Gender
2	Mary	Female
3	Steve	Male

```sql
Select Id, Name, Gender from TableA
Intersect
Select Id, Name, Gender from TableB
```

```sql
Select TableA.Id, TableA.Name, TableA.Gender
From TableA Inner Join TableB
On TableA.Id = TableB.Id
```

Result

Id	Name	Gender
2	Mary	Female
3	Steve	Male

3

INTERSECT v/s INNER JOIN

INTERSECT filters duplicates and returns only DISTINCT rows that are common between the LEFT and Right Query, where as INNER JOIN does not filter the duplicates

To make INNER JOIN behave like INTERSECT operator use the DISTINCT operator

INNER JOIN treats two NULLS as two different values. So if you are joining two tables based on a nullable column and if both tables have NULLs in that joining column then, INNER JOIN will not include those rows in the result-set, where as INTERSECT treats two NULLs as a same value and it returns all matching rows

4

Additional Resources

PRAGIM Home Page:

www.PragimTech.com

Resources:

C#, ADO.NET, ASP.NET, SQL Server & MVC youtube Playlists
http://www.youtube.com/user/kudvenkat/playlists

Code samples and text version of all the videos on my blog
http://www.csharp-video-tutorials.blogspot.com

To receive email alerts when new videos are uploaded, please subscribe to my YOUTUBE channel
www.YouTube.com/kudvenkat

https://twitter.com/kudvenkat

5