SQL Server Tutorial

Part 88 - Difference between except and not in sql server

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

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In this session we will learn

- Difference between EXCEPT and NOT IN operators in SQL Server

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 85 - Retry logic for deadlock exceptions
Part 86 - How to find blocking queries in sql server
Part 87 - SQL Server except operator

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Difference between EXCEPT and NOT IN

EXCEPT operator returns all the rows from the left query that aren't in the right query's results. NOT IN operator also does the same.

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

```
Select Id, Name, Gender From TableA
Except
Select Id, Name, Gender From TableB
```

```
Select Id, Name, Gender From TableA
Where Id NOT IN
(Select Id from TableB)
```

Result

Id	Name	Gender
1	Mark	Male

Difference between EXCEPT and NOT IN

Except filters duplicates and returns only DISTINCT rows from the left query that aren't in the right query's results, where as NOT IN does not filter the duplicates

EXCEPT operator expects the same number of columns in both the queries, where as NOT IN, compares a single column from the outer query with a single column from the sub-query

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Additional Resources

PRAGIM Home Page:

www.PragimTech.com

Resources:

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