

SQL Server Tutorial

Part 69 - Merge in SQL Server

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In this session we will learn

- Merge statement 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 66 - Writing re-runnable sql server scripts

Part 67 - Alter database table columns without dropping table

Part 68 - Optional parameters in sql server stored procedures

Merge in SQL Server

If you are in need of the DVD with all the videos and PPT's, please visit
<http://pragimtech.com/order.aspx>

What is the use of MERGE statement in SQL Server

Merge statement introduced in SQL Server 2008 allows us to perform Inserts, Updates and Deletes in one statement. This means we no longer have to use multiple statements for performing Insert, Update and Delete

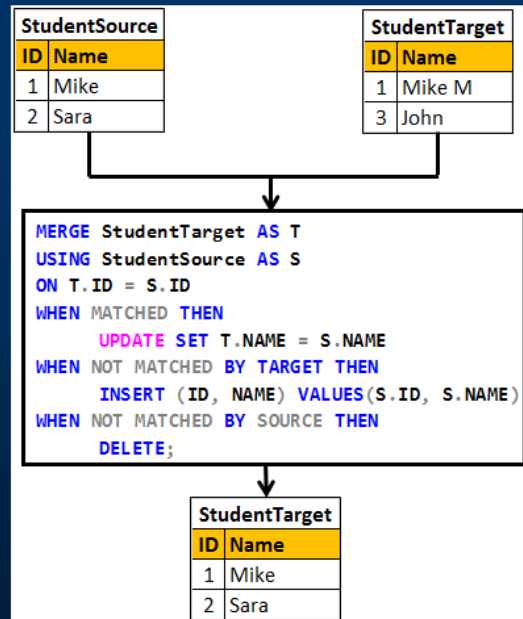
With merge statement we require 2 tables

1. Source Table - Contains the changes that needs to be applied to the target table
2. Target Table - The table that require changes (Inserts, Updates and Deletes)

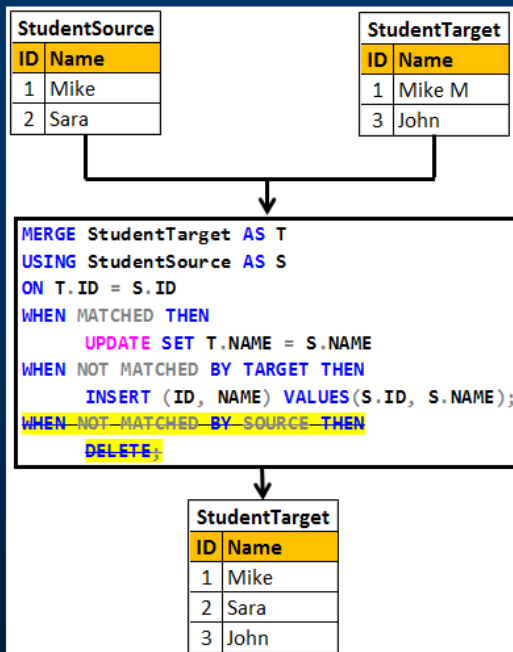
Merge statement joins the target table to the source table by using a common column in both the tables. Based on how the rows match up, we can perform insert, update, and delete on the target table

Merge in SQL Server - Example 1

```
MERGE [TARGET] AS T
USING [SOURCE] AS S
  ON [JOIN_CONDITIONS]
  WHEN MATCHED THEN
    [UPDATE STATEMENT]
  WHEN NOT MATCHED BY TARGET THEN
    [INSERT STATEMENT]
  WHEN NOT MATCHED BY SOURCE THEN
    [DELETE STATEMENT]
```



Merge in SQL Server - Example 2



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>

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