SQL Server

- ## SQL Rename table using Transact SQL

  SQL Server does not have any statement that directly renames a table. However, it does provide you with a stored procedure named sp_rename that allows you to change the name of a table.

  ### Syntax

  ```
  EXEC sp_rename 'old_table_name', 'new_table_name'
  ```

- ## Temporary Tables

  Temporary tables are tables that exist temporarily on the SQL Server. The temporary tables are useful for storing the immediate result sets that are accessed multiple times.

- ## Creating temporary tables

  SQL Server provided two ways to create temporary tables via SELECT INTO and CREATE TABLE statements.

  ### Syntax

  ```
  SELECT select_list
  INTO temporary_table
  FROM table_name ....
  ```

  ### Syntax

  ```
  CREATE TABLE #haro_products (
      product_name VARCHAR(MAX),
      list_price DEC(10,2)
  );
  ```

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- ## Synonym

  In SQL Server, a synonym is an alias or alternative name for a database object such as a table, view, stored procedure, user-defined function, and sequence.

  ### Syntax

  ```
  CREATE SYNONYM [ schema_name_1. ] synonym_name
  FOR object;
  ```

- ## CHECK Constraint

  The CHECK constraint allows you to specify the values in a column that must satisfy a Boolean expression.