

TEMP TABLE

Temporary tables are used to store data temporarily and they can perform CRUD (Create, Read, Update, and Delete), join, and some other operations like the persistent database tables. Temporary tables are dropped when the session that creates the table has closed, or can also be explicitly dropped by users. At the same time, temporary tables can act like physical tables in many ways, which gives us more flexibility. Such as, we can create constraints, indexes, or statistics in these tables. SQL Server provides two types of temporary tables according to their scope:

- Local Temporary Table
- Global Temporary Table

Local Temporary Table:

A Local Temp Table is available only for the session that has created it. It is automatically dropped (deleted) when the connection that has created it, is closed. To create Local Temporary Table Single "#" is used as the prefix of a table name

Example 1:

```
Select * into #localEmp from tblEmployee
```

OR

```
Create table #localTemp  
(  
  id int,  
  Name Char(50)  
)
```

Global Temporary Table:

To create a Global Temporary Table, add the "##" symbol before the table name.

Global Temporary Tables are visible to all connections and Dropped when the last connection referencing the table is closed. Global Table Name must have a Unique Table Name. There will be no random Numbers suffixed at the end of the Table Name

```
CREATE TABLE ##EmpDetails (id INT, name VARCHAR (25))
```

Or

```
Select * into ##localEmp from tblEmployee
```

Or

```
Create table ##localTemp  
(  
id int,  
Name Char(50)  
)
```