

# SQL Server Tutorial

## Part 97 - SELECT INTO in SQL Server

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# In this session we will learn

- The power and use of SELECT INTO 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 94 - SQL Server DDL trigger execution order**

**Part 95 - Audit table changes in SQL Server**

**Part 96 - Logon triggers in SQL Server**

# SELECT INTO 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>

Departments Table		Employees Table				
DepartmentId	DepartmentName	Id	Name	Gender	Salary	DeptId
1	IT	1	Mark	Male	50000	1
2	HR	2	Sara	Female	65000	2
3	Payroll	3	Mike	Male	48000	3
		4	Pam	Female	70000	1
		5	John	Male	55000	2

The **SELECT INTO** statement in SQL Server, selects data from one table and inserts it into a new table

**SELECT INTO** statement in SQL Server can do the following

1. Copy all rows and columns from an existing table into a new table. This is extremely useful when you want to make a backup copy of the existing table

```
SELECT * INTO EmployeesBackup FROM Employees
```

# SELECT INTO in SQL Server

## 2. Copy all rows and columns from an existing table into a new table in an external database

```
SELECT * INTO HRDB.dbo.EmployeesBackup FROM Employees
```

## 3. Copy only selected columns into a new table

```
SELECT Id, Name, Gender INTO EmployeesBackup FROM Employees
```

## 4. Copy only selected rows into a new table

```
SELECT * INTO EmployeesBackup FROM Employees WHERE DeptId = 1
```

## 5. Copy columns from 2 or more table into a new table

```
SELECT * INTO EmployeesBackup FROM Employees  
INNER JOIN Departments  
ON Employees.DeptId = Departments.DepartmentId
```

## 6. Create a new table whose columns and data types match with an existing table

```
SELECT * INTO EmployeesBackup FROM Employees WHERE 1 <> 1
```

# SELECT INTO in SQL Server

**7. Copy all rows and columns from an existing table into a new table on a different SQL Server instance. For this, create a linked server and use the 4 part naming convention**

```
SELECT * INTO TargetTable  
FROM [SourceServer].[SourceDB].[dbo].[SourceTable]
```

**Please note :** You cannot use SELECT INTO statement to select data into an existing table. For this you will have to use INSERT INTO statement.

```
INSERT INTO ExistingTable (ColumnList)  
SELECT ColumnList FROM SourceTable
```

# Additional Resources

## PRAGIM Home Page:

[www.PragimTech.com](http://www.PragimTech.com)

## Resources:

C#, ADO.NET, ASP.NET, SQL Server & MVC youtube Playlists

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