

Part 19 – Stored procedures with output parameters

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In this session we will learn

- Creating and executing stored procedures with output parameters
- Learn about some of the useful system stored procedures

Pre-requisite:

Part 18 – Stored procedures in SQL Server

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Stored Procedures – Output Parameters

To create an SP with output parameter, we use the keywords **OUT** or **OUTPUT**.

Id	Name	Gender	DepartmentId
1	Sam	Male	1
2	Ram	Male	1
3	Sara	Female	3
4	Todd	Male	2
5	John	Male	3
6	Sana	Female	2
7	James	Male	1
8	Rob	Male	2
9	Steve	Male	1
10	Pam	Female	2

```
Create Procedure spGetEmployeeCountByGender
@Gender nvarchar(20),
@EmployeeCount int Output
as
Begin
    Select @EmployeeCount = COUNT(Id)
    from tblEmployee
    where Gender = @Gender
End
```

To execute the stored procedure with output parameters

```
Declare @EmployeeTotal int
Execute spGetEmployeeCountByGender 'Male', @EmployeeTotal Output
Print @EmployeeTotal
```

```
Declare @EmployeeTotal int
Execute spGetEmployeeCountByGender @EmployeeCount = @EmployeeTotal OUT, @Gender = 'Male'
Print @EmployeeTotal
```

If you don't specify the **OUTPUT** keyword, when executing the stored procedure, the **@EmployeeTotal** variable will be **NULL**.

Useful system stored procedures

sp_help procedure_name - View the information about the stored procedure, like parameter names, their datatypes etc. sp_help can be used with any database object, like tables, views, SP's, triggers etc. Alternatively, you can also press ALT+F1, when the name of the object is highlighted.

sp_helptext procedure_name - View the Text of the stored procedure

sp_depends procedure_name - View the dependencies of the stored procedure. This system SP is very useful, especially if you want to check, if there are any stored procedures that are referencing a table that you are about to drop. sp_depends can also be used with other database objects like table etc.

Additional Resources

- PRAGIM Home Page:

- <http://www.PragimTech.com>

- Resources:

- ASP.NET Interview Questions
 - <http://www.VenkatASPInterview.Blogspot.com>
 - C# Interview Questions
 - <http://www.VenkatCSharpInterview.Blogspot.com>

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