Part 18 – Stored Procedures

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In this session we will learn

- What is a stored procedure
- Stored Procedure example
- Creating a stored procedure with parameters
- Altering SP
- Viewing the text of the SP
- Dropping the SP

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Stored Procedures

A stored procedure is group of T-SQL (Transact SQL) statements. If you have a situation, where you write the same query over and over again, you can save that specific query as a stored procedure and call it just by it's name.

1. Use CREATE PROCEDURE or CREATE PROC statement to create SP
Note: When naming user defined stored procedures, Microsoft recommends not to use sp_ as a prefix. All system stored procedures, are prefixed with sp_. This avoids any ambiguity between user defined and system stored procedures and any conflicts, with some future system procedure.

To execute the stored procedure
1. spGetEmployees
2. EXEC spGetEmployees
3. Execute spGetEmployees

Note: You can also right click on the procedure name, in object explorer in SQL Server Management Studio and select EXECUTE STORED PROCEDURE.

Stored Procedure with Parameters

Parameters and variables have an @ prefix in their name.

To Execute:
EXECUTE spGetEmployeesByGenderAndDepartment 'Male', 1
EXECUTE spGetEmployeesByGenderAndDepartment @DepartmentId=1, @Gender = 'Male'

To view the text, of the stored procedure
1. Use system stored procedure sp_helptext 'SPName'
                          OR
2. Right Click the SP in Object explorer -> Scrip Procedure as -> Create To -> New Query Editor Window

To change the stored procedure, use ALTER PROCEDURE statement.

To delete the SP, use DROP PROC 'SPName' or DROP PROCEDURE 'SPName'

To encrypt the text of the SP, use WITH ENCRYPTION option. It is not possible to view the text of an encrypted SP.

Next Session – Creating and Invoking a stored procedure with out put parameters

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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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