

Stored Procedure in SQL

What is a Stored Procedure?

A stored procedure is a prepared SQL code that you can save, so the code can be reused over and over again.

So if you have an SQL query that you write over and over again, save it as a stored procedure, and then just call it to execute it.

You can also pass parameters to a stored procedure, so that the stored procedure can act based on the parameter value(s) that is passed.

Stored Procedure Syntax:

```
CREATE PROCEDURE procedure_name
AS
sql_statement
GO;
```

Execution:

```
EXEC procedure_name;
```

Example with One Parameter:

```
CREATE PROCEDURE SelectAllCustomers @City nvarchar(30)
AS
SELECT * FROM Customers WHERE City = @City
GO;
```

Execute the Stored Procedure above as follows:

```
EXEC SelectAllCustomers @City = 'London';
```