

How to create a Stored Procedure in SQL

HELPING YOU ACHIEVE A BETTER DATABASE EXPERIENCE



WHAT THE HECK IS A STORED PROCEDURE?

Simply put, it's a block of code that might need to be used more than once, so SQL offers the option to save and reuse it when necessary. Quite useful, if I may add.

WRITE A STORED PROCEDURE

CREATE PROC -> Tell SQL to create a procedure.
AS -> Keyword to perform an action after the start condition is met
GO -> Execute any other queries that may be next

```
CREATE PROC { spName }
AS
    { query }
GO
```

```
CREATE PROC { spName }
{ @var1 TYPE }, { @var2 TYPE }...
AS
    { query }
GO
```

USING PARAMETERS

To use parameters in a stored procedure, add the modifier **@** after the variable name, followed by the SQL data type. To add more than one variable, add a comma between declarations
 e.g: **@name VARCHAR(20)**

EXECUTE MULTIPLE QUERIES

To execute multiple queries, add the indicators **BEGIN** before the first query and **END** after the last one.

```
CREATE PROC { spName }
AS
    BEGIN
        { query1 }
        { query2 } ...
    END
GO
```

```
-- No parameters:
EXEC { spName }

-- With parameters:
EXEC { spName }
@var1 = 'abc', @var2 = 'cde'
```

TIME FOR TESTING

Test your new stored procedure by executing a query with the keyword **EXEC**.
 If the procedure needs input parameters, assign them here.



schlafenhase

Source:

SQL Stored Procedures
www.w3schools.com/sql/sql_stored_procedures.asp