

Stored Procedure VS Function in SQL Server

Functions follow the computer-science definition in that they MUST return a value and cannot alter the data they receive as parameters (the arguments). Functions are not allowed to change anything, must have at least one parameter, and they must return a value. Stored procs do not have to have a parameter, can change database objects, and do not have to return a value.

Stored Procedure (SP)	Function (UDF - User Defined)
SP can return zero, single or multiple values.	Function must return a single value (which may be a scalar or a table).
We can use transaction in SP.	We can't use transaction in UDF.
SP can have input/output parameter.	Only input parameter.
We can call function from SP.	We can't call SP from function.
We can't use SP in SELECT/ WHERE/ HAVING statement.	We can use UDF in SELECT/ WHERE/ HAVING statement.
We can use exception handling using Try-Catch block in SP.	We can't use Try-Catch block in UDF.