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| Sr. No. | [**User Defined function**](http://sqlhints.com/2011/08/14/user-defined-functions/) | [**Stored Procedure**](http://sqlhints.com/2011/08/14/stored-procedure/) |
| 1 | Function must return a value. | Stored procedure may or not return values. |
| 2 | Will allow only Select statement, it will not allow us to use other DML statements. | Can have select statements as well as DML statements such as insert, update, delete etc |
| 3 | It will allow only input parameters, doesn’t support output parameters. | It can have both input and output parameters. |
| 4 | It will not allow us to use try-catch blocks. | For exception handling we can use try catch blocks. |
| 5 | Transactions are not allowed within functions. | Can use transactions within Stored procedures. |
| 6 | We can use only table variables; it will not allow using temporary tables. | Can use both table variables as well as temporary table in it. |
| 7 | Stored procedures can’t be called from function. | Stored Procedures can call functions. |
| 8 | Functions can be called from select statement. | Procedures can’t be called from Select/Where/Having etc statements. Execute/Exec statement can be used to call/execute stored procedure. |
| 9 | UDF can be used in join clause as a result set. | Procedures can’t be used in Join clause |