# Assignment 10 – Programming in the database

Sometimes it is necessary to put some logic into the database. This is usually not a best practice, but when used with care, it can be very useful.

Part 1 -

Create three functions for your database – one scalar, one inline table valued and one multi-line table valued. The exact functions should make sense for your database.

Write a query to use each of the functions.

Part 2 –

Create a stored procedure for your database. Ensure that it takes a parameter. Wrap it in a transaction to ensure that the whole stored procedure works or it does not.

Write a query to test your stored procedure

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| Rubric | Poor | OK | Good | Great |
| Scalar Function | Not done (0) |  | Attempted (10) | Completed and tested (20) |
| Inline Table Valued Function | Not done (0) |  | Attempted (10) | Completed and tested (20) |
| Multi-line Table Valued Function | Not done (0) |  | Attempted (10) | Completed and tested (20) |
| Stored Procedure | Not Done (0) |  | Attempted (10) | Completed and tested (20) |
| Transaction in SP | Not Done (0) |  | Attempted (10) | Completed and tested (20) |