**Stored Procedures**

**In the database “ProductOrders” created in the previous exercise, create the following stored procedures or functions:**

1. Stored procedure for showing the details of all customers.
2. Stored procedure for showing the details of all customers by using “with encryption” option
3. Stored procedure for showing the list of orders of a given customer where CustomerID is an input parameter of the procedure.
4. Stored procedure for calculating the number of orders of a given customer where CustomerID is an input parameter of the procedure and NumberOfOrder is the output parameter of the procedure.
5. Write an example using TRY...CATCH for handling errors.
6. Write an example using stored procedure in a query using OPENQUERY
7. Stored procedure having CustomerID as an input parameter:
   1. Display the list (OrderID, OrderDate, ProductCode, ProductName, Quantity, SellPrice) of a given customer
   2. Calculate the total amount of all orders of the given customer and return as an output parameter.
   3. Calculate the number of orders of the given customer and return as an output parameter.
8. Function for calculating the total amount of an order, where orderID is an input parameter of the function and TotalAmount is the returning value of the function.
9. Function returning the list (ProductCode, ProducttName, TotalQuantity) of all products that a customer bought, where CustomerID is the input parameter of the function.