## Stored Procedures (SQL Task)

## Database HomePro

1. Create and test the Stored procedure to get list of all customers.

Name: **HomePro.GetAllCustomers\_<YourName>**.

1. Create and test the procedure to get list of customers without schedules.

Name: **HomePro.GetCustomersNoSchedule\_<YourName>**

List of columns: **CustomerId,FirstName,LastName,Email,Phone,ZipCode,Age**

1. Create procedure to get list of customers who is older than given age.

Name: **HomePro.GetCustomersBy Age\_<YourName>**

Parameter: @Age int

List of columns: **CustomerId,FirstName,LastName,Email,Phone,ZipCode, Age**

1. Add validation to stored procedure **HomePro.GetCustomersByAge\_<YourName>** that parameter @Age contains Proper value. Call the SP with 3 different parameters:
   1. EXEC HomePro.GetCustomersByAge\_<Name> @Age = 0
   2. EXEC HomePro.GetCustomersByAge\_<Name> @Age = 20
   3. EXEC HomePro.GetCustomersByAge\_<Name> @Age = 200
2. Create procedure to get list of customers that have schedules after the given date:

Parameter: @DateNedeed datetime.

List of columns: **CustomerId,FirstName,LastName,Email,Phone,ZipCode,Age**

The procedure must verify that parameter is in allowed range. Say between ‘2010-01-01’ and ‘2020-01-10’.

Call the SP with 3 different parameters on order the test data validation and compare the result

* @DateNedeed = ‘2000-12-31’
* @DateNedeed = ‘2012-10-21’
* @DateNedeed = ‘2015-10-01’

## Database Bank

1. Create and test the procedure to get list of all clients.

Name: **Bank.GetAllClients\_<YourName>**

List of columns: **ClientId,FirstName,LastName,Phone,Email,State,Age,Type**

1. Create procedure to get list of customers without Account.

Name: **Bank.GetClientsNoAccount\_<YourName>**

List of columns: **ClientId,FirstName,LastName,Phone,Email,State,Age,Type**

1. Create the procedure to get list of customers who is in given range of age.

Name: **Bank.GetClientsBy Age\_<YourName>.**

Parameters: @AgeBegin int, @AgeEnd int. The SP must verify that values of parameters “Age” are in the allowed range, which is between 18 and 100 and that @AgeBegin > @AgeEnd

Call the SP with 3 different parameters:

* 1. EXEC HomePro.GetCustomersByAge\_<Name> @AgeBegin = 0, @AgeEnd = 50
  2. EXEC HomePro.GetCustomersByAge\_<Name> @AgeBegin = 20, @AgeEnd = 50
  3. EXEC HomePro.GetCustomersByAge\_<Name> @AgeBegin = 50, @AgeEnd = 40

1. Create procedure to get list of clients with given account type:

Parameter: @AccountType CHAR(10). Account Type must be one of: “CHECKING”, “CREDIT”, “SAVING”. The procedure must verify the parameter value.

List of columns: **ClientId,FirstName,LastName,Phone,Email,State,Age,Type**