Stored Procedures (SQL Task)

Database HomePro

1. Create and test the Stored procedure to get list of all customers.
   Name: **HomePro.GetAllCustomers_<YourName>**.

2. 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**

3. 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**

4. Add validation to stored procedure **HomePro.GetCustomersByAge_<YourName>** that parameter @Age contains Proper value. Call the SP with 3 different parameters:
   a. EXEC HomePro.GetCustomersByAge_<Name> @Age = 0
   b. EXEC HomePro.GetCustomersByAge_<Name> @Age = 20
   c. EXEC HomePro.GetCustomersByAge_<Name> @Age = 200

5. 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`

2. Create procedure to get list of customers without Account.
    Name: **Bank.GetClientsNoAccount_<YourName>**
    List of columns: `ClientId,FirstName,LastName,Phone,Email,State,Age,Type`

3. 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:
    a. EXEC HomePro.GetCustomersByAge_<Name> @AgeBegin = 0, @AgeEnd = 50
    b. EXEC HomePro.GetCustomersByAge_<Name> @AgeBegin = 20, @AgeEnd = 50
    c. EXEC HomePro.GetCustomersByAge_<Name> @AgeBegin = 50, @AgeEnd = 40

4. 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`