using System;

using System.Collections.Generic;

using System.Configuration;

using System.Data.SqlClient;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ADO.NET\_Lesson1

{

internal class Program

{

static void Main(string[] args)

{

#region Method 1 For Select

// SqlConnection conn = new SqlConnection();

// conn.ConnectionString = "Data Source=AYXAN;Initial Catalog=Library;Integrated Security=True;Connect Timeout=30;Encrypt=False;TrustServerCertificate=False;ApplicationIntent=ReadWrite;MultiSubnetFailover=False";

// SqlDataReader reader = null;

// try

// {

// conn.Open();

// string query = "SELECT \* FROM Authors";

// SqlCommand command = new SqlCommand(query, conn);

// reader = command.ExecuteReader();

// while (reader.Read())

// {

// Console.WriteLine($"{reader[0]} {reader[1]} {reader[2]}");

// Console.WriteLine();

// }

// }

// finally

// {

// if (reader != null)

// reader.Close();

// if (conn != null)

// conn.Close();

// }

#endregion

#region Method 2 For Select

//using (var conn = new SqlConnection())

//{

// conn.ConnectionString = "Data Source=AYXAN;Initial Catalog=Library;Integrated Security=True;Connect Timeout=30;Encrypt=False;TrustServerCertificate=False;ApplicationIntent=ReadWrite;MultiSubnetFailover=False";

// SqlDataReader reader = null;

// conn.Open();

// string query = "SELECT \* FROM Authors";

// using (SqlCommand command = new SqlCommand(query, conn))

// {

// reader = command.ExecuteReader();

// while (reader.Read())

// {

// Console.WriteLine($"{reader[0]} {reader[1]} {reader[2]}");

// Console.WriteLine();

// }

// }

//}

#endregion

#region Task

//using (var conn = new SqlConnection())

//{

// conn.ConnectionString = "Data Source=AYXAN;Initial Catalog=Library;Integrated Security=True;Connect Timeout=30;Encrypt=False;TrustServerCertificate=False;ApplicationIntent=ReadWrite;MultiSubnetFailover=False";

// SqlDataReader reader = null;

// conn.Open();

// string query = "SELECT \* FROM Books";

// using (SqlCommand command = new SqlCommand(query, conn))

// {

// reader = command.ExecuteReader();

// while (reader.Read())

// {

// Console.WriteLine($"{reader[0]} {reader[1]} {reader[2]} {reader[3]}");

// Console.WriteLine();

// }

// }

//}

#endregion

#region Double Select

//using (var conn = new SqlConnection())

//{

// conn.ConnectionString = "Data Source=AYXAN;Initial Catalog=Library;Integrated Security=True;Connect Timeout=30;Encrypt=False;TrustServerCertificate=False;ApplicationIntent=ReadWrite;MultiSubnetFailover=False";

// SqlDataReader reader = null;

// conn.Open();

// string query = "SELECT \* FROM Authors; SELECT \* FROM Books";

// using (SqlCommand command = new SqlCommand(query, conn))

// {

// reader = command.ExecuteReader();

// bool hasShown = false;

// do

// {

// Console.WriteLine("\n\n Total records\n");

// while (reader.Read())

// {

// if (!hasShown)

// {

// hasShown = true;

// for (int i = 0; i < reader.FieldCount; i++)

// {

// Console.Write(reader.GetName(i).ToString() + "\t");

// }

// Console.WriteLine();

// }

// Console.WriteLine($"{reader[0]} - {reader[1]} - {reader[2]}");

// }

// hasShown = false;

// } while (reader.NextResult());

// }

//}

#endregion

#region Insert

// using (var conn = new SqlConnection())

// {

// conn.ConnectionString =

// ConfigurationManager.ConnectionStrings["MyConnString"].ConnectionString;

// conn.Open();

// string query = @"INSERT INTO Authors(Id,FirstName, LastName)

// VALUES(555, 'Roger', 'Zelazny')

//";

// using (SqlCommand command = new SqlCommand(query, conn))

// {

// var result = command.ExecuteNonQuery();

// Console.WriteLine($"{result} row affected");

// }

// }

#endregion

#region Insert With Params

//using (var conn = new SqlConnection())

//{

// conn.ConnectionString =

// ConfigurationManager.ConnectionStrings["MyConnString"].ConnectionString;

// conn.Open();

// string query = @"INSERT INTO Authors(Id,FirstName, LastName)

// VALUES(@id, @firstname, @lastname)";

// var paramId = new SqlParameter()

// {

// ParameterName = "@id",

// SqlDbType = System.Data.SqlDbType.Int,

// Value = 1111

// };

// var paramFirstName = new SqlParameter()

// {

// ParameterName = "@firstname",

// SqlDbType = System.Data.SqlDbType.NChar,

// Value = "Ayxan"

// };

// var paramLastName = new SqlParameter()

// {

// ParameterName = "@lastname",

// SqlDbType = System.Data.SqlDbType.NChar,

// Value = "Ahmadzada"

// };

// using (SqlCommand command = new SqlCommand(query, conn))

// {

// command.Parameters.Add(paramId);

// command.Parameters.Add(paramFirstName);

// command.Parameters.Add(paramLastName);

// var result = command.ExecuteNonQuery();

// Console.WriteLine($"{result} row affected");

// }

//}

#endregion

#region Select With Params

//using (var conn = new SqlConnection())

//{

// conn.ConnectionString =

// ConfigurationManager.ConnectionStrings["MyConnString"].ConnectionString;

// conn.Open();

// string query = @"SELECT \* FROM Books WHERE Pages > @pageCount";

// var paramPageCount = new SqlParameter()

// {

// ParameterName = "@pageCount",

// SqlDbType = System.Data.SqlDbType.Int,

// Value = 100

// };

// SqlDataReader reader = null;

// using (SqlCommand command = new SqlCommand(query, conn))

// {

// command.Parameters.Add(paramPageCount);

// reader = command.ExecuteReader();

// while (reader.Read())

// {

// Console.WriteLine($"{reader[0]}");

// Console.WriteLine();

// }

// }

//}

#endregion

#region Stored Procedure

//using (var conn = new SqlConnection())

//{

// conn.ConnectionString =

// ConfigurationManager.ConnectionStrings["MyConnString"].ConnectionString;

// conn.Open();

// SqlCommand cmd = new SqlCommand("ShowStudentsByGroupName", conn);

// cmd.CommandType = System.Data.CommandType.StoredProcedure;

// var param = new SqlParameter();

// param.SqlDbType = System.Data.SqlDbType.NChar;

// param.ParameterName = "@groupname";

// param.Value = "18P2";

// cmd.Parameters.Add(param);

// var reader = cmd.ExecuteReader();

// while (reader.Read())

// {

// Console.WriteLine($"{reader[0]} {reader[1]}");

// Console.WriteLine();

// }

//}

#endregion

}

}

}