<?xml version="1.0" encoding="utf-8" ?>

<configuration>

<connectionStrings>

<add name="connection" connectionString="data source=LAPTOP-53S2KQS8\SQLEXPRESS;initial catalog=cts1;integrated security=true"></add>

</connectionStrings>

<startup>

<supportedRuntime version="v4.0" sku=".NETFramework,Version=v4.7.2" />

</startup>

</configuration>

<!--html > hyperytext markup language

xml > Extensible markup language-->

using System;

using System.Configuration;

using System.Data.SqlClient;

class Program

{

static SqlConnection connection;

static SqlCommand com;

static string GetConnectionString()

{

string connectionString = ConfigurationManager.ConnectionStrings["connection"].ToString();

return connectionString;

}

static SqlConnection GetConnection()

{

return new SqlConnection(GetConnectionString());

}

static void GetEmployees()

{

connection = GetConnection();

com = new SqlCommand("Select \* from employee", connection);

connection.Open();

SqlDataReader reader = com.ExecuteReader();

while (reader.Read())

{

Console.WriteLine(reader[0] + " " + reader[1]);

}

reader.Close();

connection.Close();

}

static void InsertEmployee()

{

connection = GetConnection();

com = new SqlCommand("Insert into employee (id, name, state, salary) values(10, 'Lalit Kumar','Delhi',90000)", connection);

connection.Open();

com.ExecuteNonQuery();

// ExecuteNonQuery() is used for Insert , Update & Delete Statements

connection.Close();

com.Dispose();

connection.Dispose();

}

static void UpdateEmployee()

{

connection = GetConnection();

com = new SqlCommand("Update employee set salary =12000, state='Delhi'" +

"where id > 6", connection);

connection.Open();

com.ExecuteNonQuery();

// ExecuteNonQuery() is used for Insert , Update & Delete Statements

connection.Close();

com.Dispose();

connection.Dispose();

}

static void DeleteEmployee()

{

connection = GetConnection();

com = new SqlCommand("Delete employee where id > 6", connection);

connection.Open();

com.ExecuteNonQuery();

// ExecuteNonQuery() is used for Insert , Update & Delete Statements

connection.Close();

com.Dispose();

connection.Dispose();

}

static void ShowMenu()

{

Console.WriteLine("1. Insert Record");

Console.WriteLine("2. Update Record");

Console.WriteLine("3. Delete Record");

Console.WriteLine("4. Get All Records");

}

static void Main()

{

ShowMenu();

int choice = Convert.ToByte(Console.ReadLine());

switch (choice)

{

case 1:

InsertEmployee();

Console.WriteLine("Record is Inserted");

break;

case 2:

UpdateEmployee();

Console.WriteLine("Record is Edited");

break;

case 3:

DeleteEmployee();

Console.WriteLine("Record is Deleted");

break;

case 4:

GetEmployees();

break;

default:

Console.WriteLine("Invalid choice");

break;

}

}

}