using System;

using System.Collections;

using System.Data.SqlClient;

class A

{

static SqlConnection connection;

static SqlConnection GetConnection()

{

string connectionString = ConfigurationManger.ConnectinString["MyConnection"].ToString(); ;

// string connectionString = @"data source=90087\Windows12;initial catalog=PracticeDb;integrated security=true";

connection = new SqlConnection(connectionString);

return connection;

}

static void GetList()

{

//string connectionString = @"data source=90087/Windows12;initial catalog=PracticeDb;integrated security=true";

//SqlConnection connection = new SqlConnection(connectionString);

connection = GetConnection();

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

SqlCommand command = new SqlCommand();

command.CommandText = "Select \* from employee";

command.Connection = connection;

connection.Open();

SqlDataReader reader = command.ExecuteReader();

if (reader.HasRows)

{

while (reader.Read())

{

Console.WriteLine(reader["id"].ToString() + reader["name"]);

}

}

reader.Close();

connection.Close();

}

static void Insert(int id, string name, string address, int salary)

{

//string connectionString = @"data source=90087/Windows12;initial catalog=PracticeDb;integrated security=true";

//SqlConnection connection = new SqlConnection(connectionString);

connection = GetConnection();

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

SqlCommand command = new SqlCommand();

command.CommandText = "Insert into employee(id, name, address,salary) values (@id, @name, @address,@salary)";

command.Connection = connection;

command.Parameters.AddWithValue("@id", id);

command.Parameters.AddWithValue("@name", name);

command.Parameters.AddWithValue("@address", address);

command.Parameters.AddWithValue("@salary", salary);

connection.Open();

int rec = command.ExecuteNonQuery();

if (rec > 0)

Console.WriteLine("Record is inserted");

connection.Close();

}

static void Search(int id)

{

//string connectionString = @"data source=90087/Windows12;initial catalog=PracticeDb;integrated security=true";

//SqlConnection connection = new SqlConnection(connectionString);

connection = GetConnection();

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

SqlCommand command = new SqlCommand();

command.CommandText = "Select \* from employee where id=@id";

command.Connection = connection;

command.Parameters.AddWithValue("@id", id);

connection.Open();

SqlDataReader reader = command.ExecuteReader();

if (reader.HasRows)

{

reader.Read();

Console.WriteLine(reader["id"].ToString() + reader["name"]);

}

reader.Close();

connection.Close();

}

static void Edit(int id, string address, int salary)

{

//string connectionString = @"data source=90087/Windows12;initial catalog=PracticeDb;integrated security=true";

//SqlConnection connection = new SqlConnection(connectionString);

connection = GetConnection();

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

SqlCommand command = new SqlCommand();

command.CommandText = "update employee set address= @address , salary = @salary where id =@id"; command.Connection = connection;

command.Parameters.AddWithValue("@id", id);

command.Parameters.AddWithValue("@address", address);

command.Parameters.AddWithValue("@salary", salary);

connection.Open();

int rec = command.ExecuteNonQuery();

if (rec > 0)

Console.WriteLine("Record is updated");

connection.Close();

}

static void Delete(int id)

{

//string connectionString = @"data source=90087/Windows12;initial catalog=PracticeDb;integrated security=true";

//SqlConnection connection = new SqlConnection(connectionString);

connection = GetConnection();

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

SqlCommand command = new SqlCommand();

command.CommandText = "delete employee where id=@id";

command.Connection = connection;

command.Parameters.AddWithValue("@id", id);

connection.Open();

int rec = command.ExecuteNonQuery();

if (rec > 0)

Console.WriteLine("Record is deleted");

connection.Close();

}

static void Menu()

{

Console.WriteLine("1. Insert");

Console.WriteLine("2. Search");

Console.WriteLine("3. Edit");

Console.WriteLine("4. Delete");

Console.WriteLine("5. List of Records");

}

static void Main()

{

Menu();

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

switch (ch)

{

case 1:

{

Console.WriteLine("Enter ID");

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

Console.WriteLine("Enter Name");

string name = Console.ReadLine();

Console.WriteLine("Enter Address");

string address = Console.ReadLine();

Console.WriteLine("Enter Salary");

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

Insert(id,name, address, salary);

break;

}

case 2:

{

Console.WriteLine("Enter ID for which to search record");

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

Search(id);

break;

}

case 3:

{

Console.WriteLine("Enter ID for which to edit record");

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

Console.WriteLine("Enter Address");

string address = Console.ReadLine();

Console.WriteLine("Enter Salary");

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

Edit(id, address, salary);

break;

}

case 4:

{

Console.WriteLine("Enter ID for which to delete record");

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

Delete(id);

break;

}

case 5:

{

GetList();

break;

}

default:

{

Console.WriteLine("Invalid choice");

break;

}

}

}

}

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

<configuration>

<connectionStrings>

<add name ="MyConnection" connectionString="data source=LAPTOP-53S2KQS8;initial catalog=practicedb1;integrated security=true"/>

</connectionStrings>

</configuration>