a. Tạo cơ sở dữ liệu và bảng:

sql

create database Demodb;

use Demodb;

CREATE TABLE demo(

articleID int NOT NULL PRIMARY KEY,

articleName varchar(30) NOT NULL

);

insert into demo values(1, 'C#');

insert into demo values(2, 'C++');

b. Chạy code C# để kết nối với cơ sở dữ liệu:

csharp

// C# code to connect the database

using System;

using System.Data.SqlClient;

namespace Database\_Operation

{

class DBConn

{

// Main Method

static void Main()

{

Connect();

Console.ReadKey();

}

static void Connect()

{

string constr;

SqlConnection conn;

constr = @"Data Source=DESKTOP-GP8F496;Initial Catalog=Demodb;User ID=sa;Password=24518300";

conn = new SqlConnection(constr);

conn.Open();

Console.WriteLine("Mở kết nối!");

// Đóng kết nối

conn.Close();

}

}

}

BÀI 73 :   
using System;

using System.Data.SqlClient;

namespace Database\_Operation

{

class SelectStatement

{

static void Main()

{

Read();

Console.ReadKey();

}

static void Read()

{

string constr;

SqlConnection conn;

constr = @"Data Source=DESKTOP-GP8F496;Initial Catalog=Demodb;User ID=sa;Password=24518300";

conn = new SqlConnection(constr);

conn.Open();

SqlCommand cmd;

SqlDataReader dreader;

string sql, output = "";

sql = "Select articleID, articleName from demo";

cmd = new SqlCommand(sql, conn);

dreader = cmd.ExecuteReader();

// Đọc từng dòng của bảng

while (dreader.Read())

{

output = output + dreader.GetValue(0) + " - " +

dreader.GetValue(1) + "\n";

}

Console.Write(output);

// to close all the objects

dreader.Close();

cmd.Dispose();

conn.Close();

}

}

}

BÀI 74 :   
using System;

using System.Data.SqlClient;

namespace Database\_Operation

{

class InsertStatement

{

static void Main()

{

Insert();

Console.ReadKey();

}

static void Insert()

{

string constr;

SqlConnection conn;

constr = @"Data Source=DESKTOP-GP8F496;Initial Catalog=Demodb;User ID=sa;Password=24518300";

conn = new SqlConnection(constr);

conn.Open();

SqlCommand cmd;

SqlDataAdapter adap = new SqlDataAdapter();

string sql = "";

sql = "insert into demo values(3, 'Python')";

cmd = new SqlCommand(sql, conn);

adap.InsertCommand = new SqlCommand(sql, conn);

adap.InsertCommand.ExecuteNonQuery();

cmd.Dispose();

conn.Close();

}

}

}  
  
BÀI 75 :

using System;

using System.Data.SqlClient;

namespace Database\_Operation

{

class UpdateStatement

{

// Main Method

static void Main()

{

Update();

Console.ReadKey();

}

static void Update()

{

string constr;

SqlConnection conn;

constr = @"Data Source=DESKTOP-GP8F496;Initial Catalog=Demodb;User ID=sa;Password=24518300";

conn = new SqlConnection(constr);

conn.Open();

SqlCommand cmd;

SqlDataAdapter adap = new SqlDataAdapter();

string sql = "";

sql = "update demo set articleName='django' where articleID=3";

cmd = new SqlCommand(sql, conn);

adap.UpdateCommand = new SqlCommand(sql, conn);

adap.UpdateCommand.ExecuteNonQuery();

// Đóng các đối tượng

cmd.Dispose();

conn.Close();

}

}

}  
BÀI 76  
using System;

using System.Data.SqlClient;

namespace Database\_Operation

{

class DeleteStatement

{

// Main Method

static void Main()

{

Delete();

Console.ReadKey();

}

static void Delete()

{

string constr;

SqlConnection conn;

constr = @"Data Source=DESKTOP-GP8F496;Initial Catalog=Demodb;User ID=sa;Password=24518300";

conn = new SqlConnection(constr);

conn.Open();

SqlCommand cmd;

// data adapter object is use to

// insert, update or delete commands

SqlDataAdapter adap = new SqlDataAdapter();

string sql = "";

sql = "delete from demo where articleID=3";

cmd = new SqlCommand(sql, conn);

adap.DeleteCommand = new SqlCommand(sql, conn);

adap.DeleteCommand.ExecuteNonQuery();

// closing all the objects

cmd.Dispose();

conn.Close();

}

}

}