

C#数据库操作的3种典型用法 PDF转换可能丢失图片或格式，  
建议阅读原文

[https://www.100test.com/kao\\_ti2020/245/2021\\_2022\\_C\\_23\\_E6\\_95\\_B0\\_E6\\_8D\\_AE\\_E5\\_BA\\_c97\\_245982.htm](https://www.100test.com/kao_ti2020/245/2021_2022_C_23_E6_95_B0_E6_8D_AE_E5_BA_c97_245982.htm) 由于最近和数据库打交道,需要用C#和SQL Server 2005进行操作,就把近段时间内的最常用的操作做个总结.本人也是第一次用C#操作数据库,所以这三种典型用法对初学者还是挺有帮助的. 以下是我在visual studio 2005上写的一个类(连的是SQL Server 2005),已经过测试通过.里面有3个方法比较典型,在此把源码贴出:

```
using System.  
using System.Collections.Generic.  
using System.Text.  
using System.Data.  
using System.Data.SqlClient.  
namespace  
DatabaseOperate {  
class SqlOperateInfo { //Suppose your  
ServerName is "aa",DatabaseName is "bb",UserName is "cc",  
Password is "dd" private string sqlConnectionCommand = "Data  
Source=aa.Initial Catalog=bb.User ID=cc.Pwd=dd". //This table  
contains two columns:KeywordID int not null,KeywordName  
varchar(100) not null private string dataTable_name =  
"Basic_Keyword_Test". private string storedProcedureName =  
"Sp_InertToBasic_Keyword_Test". private string sqlSelectCommand  
= "Select KeywordID, KeywordName From Basic_Keyword_Test".  
//sqlUpdateCommand could contain "insert" , "0delete" , "0update"  
operate private string sqlUpdateCommand = "Delete From  
Basic_Keyword_Test Where KeywordID = 1". public void  
UseSqlReader() { SqlConnection sqlConnection = new  
SqlConnection(sqlConnectionCommand). SqlCommand  
sqlCommand = new SqlCommand().
```

```

sqlCommand.CommandType = System.Data.CommandType.Text.
sqlCommand.Connection = sqlConnection.
sqlCommand.CommandText = sqlSelectCommand.
sqlConnection.Open(). SqlDataReader sqlDataReader =
sqlCommand.ExecuteReader(). while(sqlDataReader.Read()) {
//Get KeywordID and KeywordName , You can do anything you
like. Here I just output them. int keywordid =
(int)sqlDataReader[0]. //the same as: int keywordid =
(int)sqlDataReader["KeywordID"] string keywordName =
(string)sqlDataReader[1]. //the same as: string keywordName =
(int)sqlDataReader["KeywordName"]
Console.WriteLine("KeywordID = " keywordid " , KeywordName =
" keywordName). } sqlDataReader.Close().
sqlCommand.Dispose(). sqlConnection.Close(). } public void
UseSqlStoredProcudure() { SqlConnection sqlConnection = new
SqlConnection(sqlConnectionCommand). SqlCommand
sqlCommand = new SqlCommand().
sqlCommand.CommandType = CommandType.StoredProcedure.
sqlCommand.Connection = sqlConnection.
sqlCommand.CommandText = storedProcedureName.
sqlConnection.Open(). sqlCommand.ExecuteNonQuery(). //you
can use reader here,too.as long as you modify the sp and let it like
0select * from .... sqlCommand.Dispose(). sqlConnection.Close(). }
public void UseSqlDataSet() { SqlConnection sqlConnection = new
SqlConnection(sqlConnectionCommand). SqlCommand
sqlCommand = new SqlCommand().

```

```
sqlCommand.CommandType = System.Data.CommandType.Text.  
sqlCommand.Connection = sqlConnection.  
sqlCommand.CommandText = sqlSelectCommand.  
sqlConnection.Open(). SqlDataAdapter sqlDataAdapter = new  
SqlDataAdapter(). sqlDataAdapter.SelectCommand =  
sqlCommand. DataSet dataSet = new DataSet().  
//sqlCommandBuilder is for 0update the dataset to database  
SqlCommandBuilder sqlCommandBuilder = new  
SqlCommandBuilder(sqlDataAdapter). sqlDataAdapter.Fill(dataSet,  
dataTableName). //Do something to dataset then you can 0update it  
to Database.Here I just add a row DataRow row =  
dataSet.Tables[0].NewRow(). row[0] = 10000. row[1] = "new row".  
dataSet.Tables[0].Rows.Add(row). sqlDataAdapter.Update(dataSet,  
dataTableName). sqlCommand.Dispose().  
sqlDataAdapter.Dispose(). sqlConnection.Close(). } } } 100Test 下  
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```