

: C# ()

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: DB-LAB

: 2001 6 13

7. DataSet()

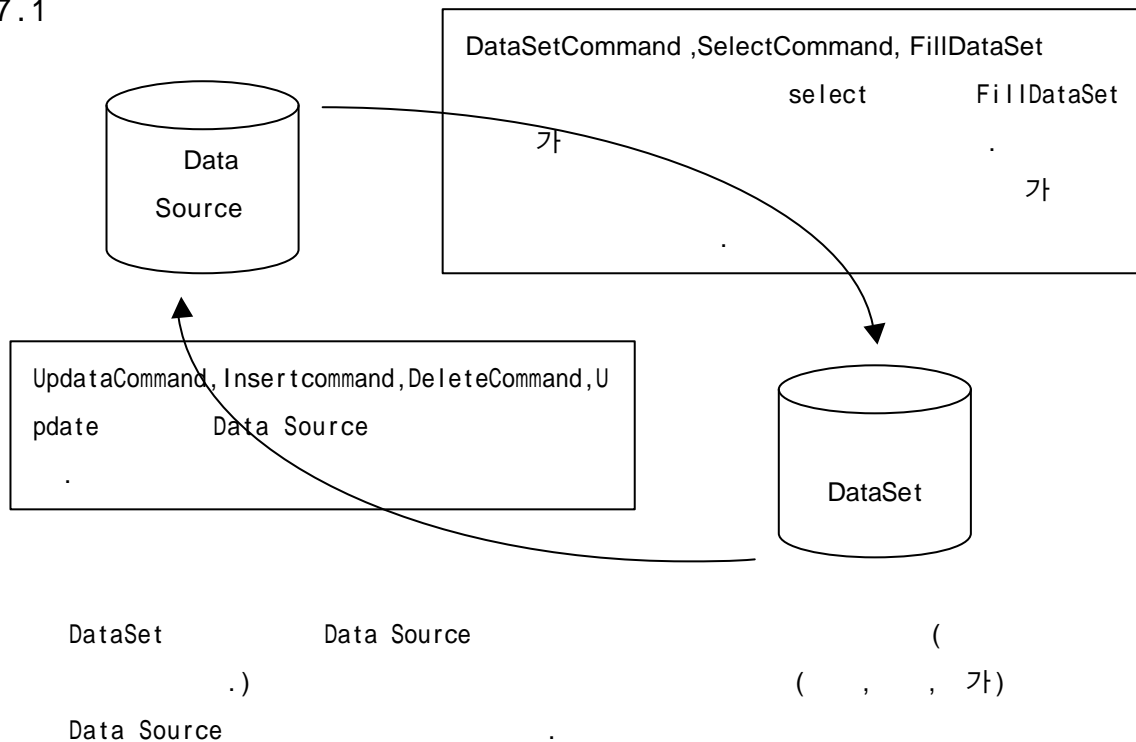
```

; DataSet
가
...
가
.

```

```
DataSet ds = new DataSet();
ADOConnection myConnection = new ADOConnect(dbConnectiString)
ADODatasetCommand dsc = new ADODatasetCommand(cmdString,myConnection);
dsc.FillDataset(ds, " orders " );
```

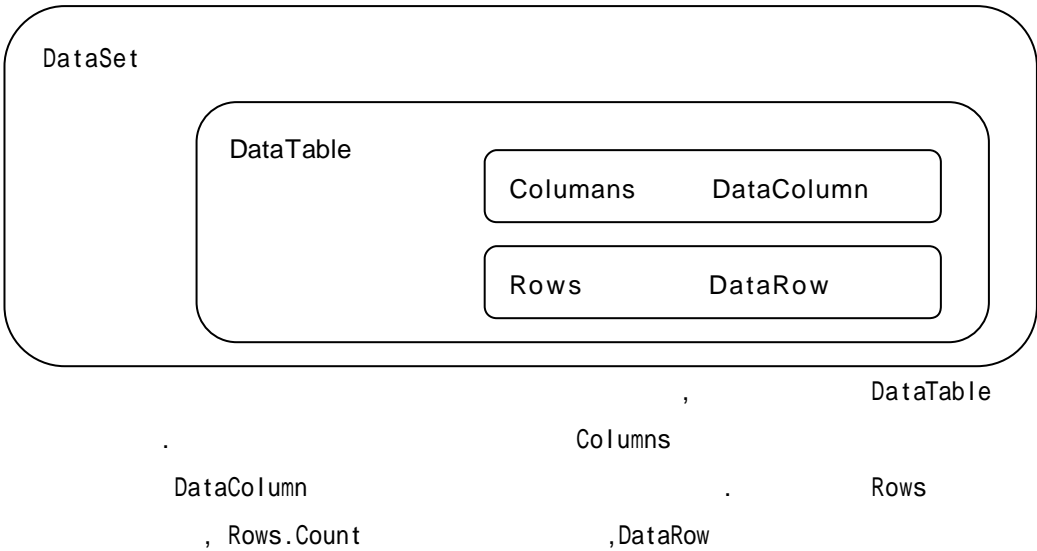
7.1



7.2

- ```
- .
- .
- (in-memory)
- ,
- COM
- XML
- RelationsCollection TablesCollection
```

7.3 DataSet



7.4 DataTable

DataTable Columns 가

```
ds.Tables["dsadotest"].rows[i].["email"].ToString());
```

Tables

7-4-1.

|                    |     |
|--------------------|-----|
|                    |     |
| CaseSensitive      | 가   |
| ChildRelations     | 가   |
| Columns            | 가   |
| Constraints        | 가   |
| DataSet            | 가   |
| DefaultView        | 가   |
| DisplayExpression  | UI  |
| ExtendedProperties | 가   |
| HasErrors          | 가 가 |
| Locale             | 가   |
| MinimumCapacity    | 가   |

|                 |             |
|-----------------|-------------|
| ParentRelations | 가 .         |
| PrimaryKey      | Primary 가 . |
| Rows            | 가 .         |
| TableName       | 가 .         |

## 7-4-2.

|               |                             |
|---------------|-----------------------------|
|               |                             |
| AcceptChanges | AcceptChanges<br>(commit) . |
| Clear         |                             |
| Compute       | .                           |
| GetErrors     | 가 DataRow .                 |
| NewRow        | DataRow .<br>가 .            |
| RejectChanges | AcceptChanges .             |
| Select        | DataRow .                   |

## 7.5 DataRow

; DataRow 가 .

```
ds.Tables[" dsadotest "].rows[i].[" email "].ToString());
```

## 7-5-2.

|               |                           |
|---------------|---------------------------|
|               |                           |
| BeginEdit     | .                         |
| EndEdit       | . AcceptChanges           |
| RejectChanges | .                         |
| AcceptChanges | AcceptChanges<br>(commit) |
| Delete        | .                         |
| RowState      | DB .                      |

## 7-5-3. RowState

|           |                                                                                                                         |
|-----------|-------------------------------------------------------------------------------------------------------------------------|
| Unchanged | AcceptChange                                                                                                            |
| New       | 가                      가                      AcceptChanges가                                                            |
| Modified  |                                                                                                                         |
| Deleted   | Delete                                      가                                                                           |
| Detached  | 가                      AcceptChanges가                      ,<br>가 DataRow                      가                      가 |

Data Source

..

RowState

.

Data Source

DataRow.RowState

.

| id | name | email                                                        | DataRow.RowState |
|----|------|--------------------------------------------------------------|------------------|
| 1  |      | phb418@hanmail.net                                           | Delete           |
| 2  |      | aaa@hanmail.net                                              | Modified         |
| 3  |      | stytank@hanmail.net                                          | Unchanged        |
| 4  |      | <a href="mailto:since98@hanmail.net">since98@hanmail.net</a> | New              |

DataSet

## 8. DataSet

```

namespace databaseTest6
{
 using System;
 using System.Drawing;
 using System.Collections;
 using System.ComponentModel;
 using System.Windows.Forms;
 using System.Data;
 using System.Data.ADO;

 public class Form1 : System.Windows.Forms.Form

```

```
{

 private System.ComponentModel.Container components;
 private System.Windows.Label lblDisplay;
 private System.Windows.TextBox txtName;
 private System.Windows.Button btnFind;
 private System.Data.ADO.ADOConnection myConnection;
 //private System.Data.ADO.ADOCommand myCmd;
 private System.Data.ADO.ADODataSetCommand dsc;
 private System.Data.DataSet ds;

 public Form1()
 {

 InitializeComponent();

 // connection
 myConnection = new ADOConnection();

 myConnection.ConnectionString="Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=f:\\c#\\consoleSample\\sql\\board.mdb;Persist Security Info=False";

 // datasetCommand
 dsc = new ADODataSetCommand(new ADOCommand("select *
from adotest",myConnection));

 // dataset
 ds = new DataSet();

 // dsadotest 가
 dsc.FillDataSet(ds,"dsadotest");

 }

 public override void Dispose()
 {
 base.Dispose();
 components.Dispose();
 }
}
```

```
 }

 private void InitializeComponent()
 {
 this.components = new System.ComponentModel.Container
();

 this.btFind = new System.Windows.Forms.Button ();
 this.txtName = new System.Windows.Forms.TextBox ();
 this.lbDisplay = new System.Windows.Forms.Label ();

 btFind.Location = new System.Drawing.Point (152, 8);
 btFind.Size = new System.Drawing.Size (48, 32);
 btFind.TabIndex = 0;
 btFind.Text = " ";
 btFind.Click += new System.EventHandler
(this.btFind_Click);

 txtName.Location = new System.Drawing.Point (24, 16);
 txtName.TabIndex = 1;
 txtName.Size = new System.Drawing.Size (112, 21);
 lbDisplay.Location = new System.Drawing.Point (24,
64);

 lbDisplay.Size = new System.Drawing.Size (176, 40);
 lbDisplay.BorderStyle =
System.Windows.Forms.BorderStyle.Fixed3D;
 lbDisplay.TabIndex = 2;
 this.Text = " ";
 this.AutoScaleBaseSize = new System.Drawing.Size (6,
14);

 this.ClientSize = new System.Drawing.Size (216, 115);
 this.Controls.Add (this.lbDisplay);
 this.Controls.Add (this.txtName);
 this.Controls.Add (this.btFind);
 }

 protected void btFind_Click (object sender, System.EventArgs
```

```

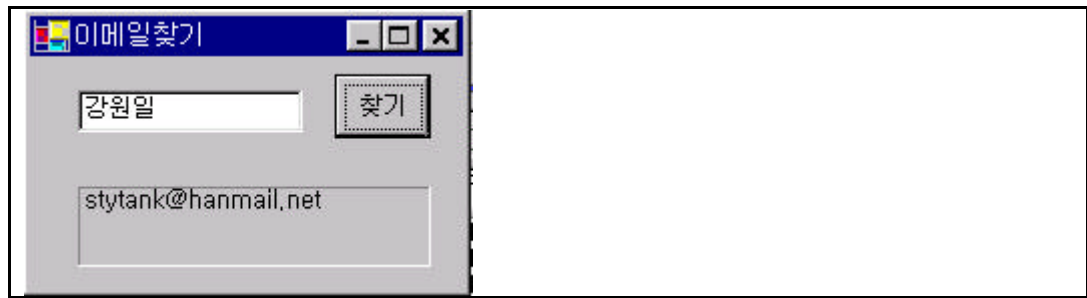
e)
 {
 int i=0;

 //count
 while(i<ds.Tables["dsadotest"].Rows.Count)
 {
 // 가 dsadotest
 rows[i] name
 // Equals()
 .
 .
 if(txtName.Text.Equals(ds.Tables["dsadotest"].Rows[i]["name"].ToString
 ()))
 {
 // 가
 dsadotest가 email
 .
 .
 lblDisplay.Text=ds.Tables["dsadotest"].Rows[i]["email"].ToString();
 .
 }
 i++;
 }
 }

 public static void Main(string[] args)
 {
 Application.Run(new Form1());
 }
}

```





.. c# 3  
가 100%  
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..  
..