

* Advantages of Repeater Control:-

→ Execution of Repeater Control is faster as it does not provide any other facilities except displaying the data.

* Disadvantages of Repeater Control:-

→ Repeater Control doesn't provide following facilities

- (i) Designing facilities
- (ii) Editing facilities
- (iii) Paging facilities
- (iv) Sorting facilities.

* Where to use Repeater Control in Real time?

→ Repeater Control in Real time is used in following scenarios.

1. In displaying Results
2. In displaying Cricket Scores etc.

* Datalist Control:-

→ This control is used to display more than one record to the user, at once.

→ Datalist Control will display the data in tabular form by default.

→ Datalist Control Will provide very good designing facilities.

→ Datalist Control Will provide Editing facilities.

→ Execution of datalist control is slow as compared with repeater control.

* Properties With Datalist Control:-

1. Data Source

2. Data Member

3. Edit Item Index → -1 (default)

4. Edit Item Style

5. Repeat Columns → -0 (default)

6. Repeat Direction → Horizontal
Vertical

7. Repeat Layout → Table
flow
ordered list
unordered list

8. Selected Index → -1 (default)

9. Show footer → True (default)
false

10. Show Header → True (default)
false

* Edit Item Index:-

When edit Item Index is set to -1 datalist control is displayed in Static Mode.

When Edit Item Index set to n , $(n+1)^{th}$ row of data style is displayed in Editable mode.

* Edit Item style:-

Used to set or get the required styles to the Editable row of the datalist control.

* Repeat Columns:-

Used to set or get the no. of columns that are to be displayed to the user within the datalist control.

* Repeat Direction:-

Used to set or get a value that indicates in which direction data is to be displayed.

* Repeat Layout:-

Used to set or get a value that indicates a layout to the datalist control to display the data.

* Selected Index:-

Used to set or get Index value of the selected row within the datalist control.

* Show footer:-

When set to true \rightarrow footer row is displayed to the user false \rightarrow footer row is not displayed to the user.

* Show Header:-

When set to true header row is displayed to the user, false header is not displayed to the user.

* Events With Datalist Controls:-

1. Cancel Command
2. Data Binding
3. Delete Command
4. Edit Command
5. Item Command
6. Selected Index Changed
7. Update Command

* Cancel Command Event:-

This event will be raised when user clicks on Cancel button within the datalist control.

* Data Binding Event:-

This event will be fired at the time of binding to the data to the datalist control.

* Delete Command Event:-

This event will be fired when user clicks on delete button within the datalist control.

* Edit Command Event:-

This event will be fired when user clicks on edit button.

* Item Command Event:-

This event will be fired when user clicks on any child control that supports Command Event.

* Selected Index Changed:-

This event will be fired when user selects any element or any row within the datalist control.

* Update Command Event:-

This event will be fired when user clicks on update button within the datalist control.

→ In the above events Cancel Command, delete Command, Edit Command, Item Command and update Command. Events will have a common class associated with them i.e. data list Command event args.

* Properties at run time:-

1. Items
2. Selected Item

* Items :-

This is a collection property which returns all the rows within the datalist control.

* Selected Item:-

This property will return the complete row i.e. selected by the user within the datalist control. The data type of both the properties is datalist Item which is a class.

* Example to display the data in datalist control

EmpID	ENAME	Designation	DOJ	Salary	deptNo	
101	Raju	Developer	1/1/23	45000	10	→ Datalist
102	Gopal	DSE	2/2/23	35000	20	→ Sample3.aspx
103	Anand	TL	3/3/23	55000	30	
104	Vinay	HR	4/4/23	65000	40	

→ Create a NEW Web page With the Name Sample3.aspx
Create datalist control goto source Write the following code.

```
<div>
```

```
<asp:Datalist ID="DataList1" runat="server">
```

```
<Header Template>
```

```
EmpID ENAME Designation DOJ Salary DeptNo
```

```
</Header Template>
```

```
<Item Template>
```

```
<%# Eval ("EmpID") %>
```

```
<%# Eval ("ENAME") %>
```

```
<%# Eval ("Designation") %>
```

```
<%# Eval ("DOJ") %>
```

```
<%# Eval ("Salary") %>
```

```
<%# Eval ("DeptNo") %>
```

```
</Item Template>
```

```
</asp:Datalist>
```

→ Goto .cs file and Write the following code for getting the data and binding the datalist control.

using system.Data;

using system.Data.SqlClient;

Public partial class Sample3.aspx : system.Web.UI.Page;

{
Sql connection con; Dataset DS;

Sql Data Adapter Da;

Protected void ~~btn~~ page_Load1

{

String sql con = "Server = ; User = ;"

con = New SqlConnection(sql con);

Da = New Sql Data Adapter("Select * from emp details", con);

DS = New Dataset();

Da.Fill(DS, "emp");

Datalist1.DataSource = DS.Table[0];

Datalist1.DataBind();

}

→ To provide Any kind of styles to the Datalist control Go to design part of the .aspx page Select the datalist control. click on smart tag button click on auto-format option select the required style. Click on Apply click on ok.

Using system.Data;

Using system.Data.SqlClient;

```
Public partial class sample3.aspx : System.Web.UI.Page;
```

```
{  
    Sql connection con; Dataset DS;
```

```
    Sql Data Adapter Da;
```

```
    Protected void btn page - Load1
```

```
{
```

```
    String Sql Con = "Server = ; User = ;"
```

```
    Con = New SqlConnection(Sql Con);
```

```
    Da = New Sql Data Adapter("Select * from emp Details", con);
```

```
    DS = New Dataset();
```

```
    Da.Fill(DS, "emp");
```

```
    Datalist1.DataSource = DS.Table[0];
```

```
    Datalist1.DataBind();
```

```
}
```

→ To provide Any kind of styles to the Datalist control Goto design part of the .aspx page Select the datalist control. click on smart tag button click on auto-format option select the required style click on Apply click on ok.

→ Example to delete a record using the datalist control:-

EmpId	ENAME	Designation	DOJ	Salary	DeptNo	Delete
101	Raju	Developer	01/01/23	30000	10	Delete
102	Anand	DSC	2/2/23	40000	20	Delete
103	Gopal	TL	3/3/23	50000	30	Delete
104	Vinay	HR	4/4/23	60000	40	Delete

101 Emp Id

→ Datalist

→ sample4.aspx

→ btn delete