

* Data Bounds Controls:-

These controls are used to display the required data to the user in tabular format with required styles.

data bound controls will help the developer to display the data with different styles using less code and data bound controls will help in developing applications at faster rate.

To display the data in tabular format in data bound controls microsoft is providing us different kinds of templates known as header template, Item template, Separator template, Edit item template, footer template.

* Header Template:-

This Template is used to display the headings data. This template is executed only once within the databound control.

* Item Template:-

This Template is used to display the original data in the form of records to the user within the data bound control.

This template is executed for the no. of records available in data source.

* Separator Template:-

This Template is used to create a separator between each record within the data bound control.

This Template is executed for no. of records available in data source.

* Edit Item Template:-

This Template is used to provide editing facilities to a record within the databound control.

This Template is executed only once within the data bound control.

* Footer Template:-

This Template is used to display summary information or to providing paging facilities within the data bound control.

This Template is executed only once within the data bound control.

Note of Item template:-

In data bound control to display the data directly or within the child controls. We can use data binding expressions like.

```
<%# data binder. Eval(Container. DataItem("File Name")) %>
```

OR

```
<%# Data Binder. Eval("File Name") %>
```

* Types of databound control:-

1. Repeater control
2. Data list control
3. Grid view control

EmpId	ENAME	designation	DOJ	Salary	deptNo	
101	Raju	Developer	01/01/2023	45000	10	<input type="button" value="Edit"/>
102	Gopal	DSE	02/02/2023	50000	20	<input type="button" value="Edit"/>
<input type="text" value="103"/>	<input type="text" value="Anand"/>	<input type="text" value="SysAdmin"/>	<input type="text" value="03/03/2023"/>	<input type="text" value="35000"/>	<input type="text" value="30"/>	<input type="button" value="Update"/>
104	Abhirav	TL	04/04/2023	25000	10	<input type="button" value="Cancel"/> <input type="button" value="Edit Item Temp"/>
105	Ramesh	HR	05/05/2023	55000	20	<input type="button" value="Edit"/> <input type="button" value="Separate Temp"/>
106	Nanesh	Developer	06/06/2023	65000	10	<input type="button" value="Edit"/>
Page 1 of 10 < > —>						<input type="button" value="Footer Template"/>

→ Common properties with databound control:-

(i) Data Source

(ii) Data Member

(i) **Data Source**:- This property is used to set or get the data source name from which data is to be display within the data bound control.

(ii) Data Member :-

This property is used to set or get the required Table Name from which data is to be displayed within the databound control.

→ Common Methods With dataBound control :-

(i) Data Bind :-

This Method is used to fetch the data Record by Record and to bind field by field to the data bound control.

Repeater Control :-

→ This control is used to display the data in plain text format.

→ Execution of Repeater control is faster.

→ Repeater control does not provide any kind of styling facilities.

→ Repeater control does not support editing facilities.

→ Repeater control does not provide sorting facilities.

→ Repeater control does not provide paging facilities.

→ Repeater control will display the data in flow layout manner.

* Example With Repeater Control:

EmpId	ENAME	Designation	DOJ	Salary	DeptNo	
101	Raju	SysAdmin	01/01/2023	55000	10	→ Repeater
102	Gopal	TL	02/01/2023	60000	20	→ Sample1.aspx
103	Anand	HR	03/03/2023	55000	30	

→ for any data bound control we write the code in two steps

Step 1: designing of the data bound control this code will be return in .aspx file and will indicate appearance and style for the data bound control.

Step 2: (Programming Code):-

This code will be return in .cs file and will contain fetching of the data from database, filling into data set and binding it to the databound control.

→ Create a New Website with the Name Web databound Examples.

→ Create a New Webpage (or) Web form with the Name Sample 1.aspx. then create repeater control go to source and write the following code.

Code:-

```
<div>
```

```
<asp:Repeater ID="Repeater1" runat="server">
```

```
<Header Template>
```

```
EmpId ENAME Designation DOJ Salary
```

DeptNo

</Header Template>

<Separator Template>

</Separator Template>

<Item Template>

<%# DataBinder.Eval(Container.DataItem, "EmpId")%>

<%# DataBinder.Eval(Container.DataItem, "EName")%>

<%# DataBinder.Eval(Container.DataItem, "Designation")%>

<%# DataBinder.Eval(Container.DataItem, "DOJ")%>

<%# DataBinder.Eval(Container.DataItem, "Salary")%>

<%# DataBinder.Eval(Container.DataItem, "DeptNo")%>

</Item Template>

</asp: Repeater>

→ Goto .CS file and Write the following code.

using System.Data;

using System.Data.SqlClient;

Public partial class Sample1 : System.Web.UI.Page
{

Sql Connection Con; DataSet DS;

Sql data Adapter Da;

Protected void Page_Load (Object Sender, Event Args e)
{


```

String sqlcon = "Server = "; User Id = ";
Con = NEW sql connection (sql con);
Da = NEW sql Data Adapter ("select * from emp details", con);
DS = NEW Dataset ();
Da.Fill (DS, "emp");
Repeater1.DataSource = DS.Tables [0];
Repeater1.DataBind ();
}
}

```

* Example to display the repeater data in tabular format.

EmpId	ENAME	Designation	DOJ	Salary	DeptNo
101	Raju	SoftWare	01/01/23	45000	10
102	Gopal	TL	02/02/23	55000	20
103	ANand	HR	03/03/23	65000	30
104	Namsi	DSE	04/04/23	25000	40

→ Create a NEW Web page With the Name Sample2.aspx
 Create Repeater control goto source Write the following code.

```

<table align="center" border="1">
<asp:Repeater ID="Repeater1" runat="Server">
  <Header Template>
    <tr>
      <th>Emp Id </th> <th>ENAME </th>
      <th>Designation </th> <th>DOJ </th>
      <th>Salary </th> <th>DeptNo </th>

```

</tr>

</Header Template>

<Item Template>

<tr>

<td> <%# Eval("EmpId") %> </td>

<td> <%# Eval("ENAME") %> </td>

<td> <%# Eval("Designation") %> </td>

<td> <%# Eval("DOJ") %> </td>

<td> <%# Eval("Salary") %> </td>

<td> <%# Eval("DeptNo") %> </td>

</tr>

</Item Template>

</asp: Repeater>

</div>

</div>

→ Goto .CS file Write the following code.

using system.data;

using system.data.sql client;

same as front code

same code

* 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.