ASP.NET LAB MANUAL

# Practical 4: Use of Radio Button

## Objective

To create a web page using ASP.NET Web Forms that takes gender input using two radio buttons. When the user selects a gender and clicks a button, the selected gender is displayed on the page.

## Software Requirements

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| Component | Description |
| IDE | Visual Studio 2017/2019/2022 |
| .NET Framework | ASP.NET with .NET Framework 4.5 or above |
| Browser | Chrome / Edge / Firefox |
| Language | C# with ASP.NET Web Forms |

## Web Controls Used

* RadioButton: To select gender (Male/Female)
* Button: To submit the selected gender
* Label: To display the selected gender

## Step-by-Step Instructions

Step 1: Create a new ASP.NET Web Forms project in Visual Studio.

Step 2: Open Default.aspx and paste the following code inside the <form> tag:

<h3>Select Gender:</h3>  
<asp:RadioButton ID="rbMale" runat="server" GroupName="Gender" Text="Male" />  
<asp:RadioButton ID="rbFemale" runat="server" GroupName="Gender" Text="Female" /><br /><br />  
<asp:Button ID="btnShowGender" runat="server" Text="Show Gender" OnClick="btnShowGender\_Click" /><br /><br />  
<asp:Label ID="lblGender" runat="server" Font-Bold="True" ForeColor="Blue"></asp:Label>

Step 3: Open Default.aspx.cs and add the following C# code:

protected void btnShowGender\_Click(object sender, EventArgs e)  
{  
 if (rbMale.Checked)  
 lblGender.Text = "Selected Gender: Male";  
 else if (rbFemale.Checked)  
 lblGender.Text = "Selected Gender: Female";  
 else  
 lblGender.Text = "Please select a gender.";  
}

## Step 4: Run the Application

Click the 'Start' button or press F5 to run the application. Select either 'Male' or 'Female' and click 'Show Gender' to see the result.

## Expected Output

Displays 'Selected Gender: Male' or 'Selected Gender: Female' based on user selection.

## Conclusion

Successfully created an ASP.NET Web Forms page using RadioButton controls to capture and display gender selection.

## Viva Questions with Answers

1. 1. What is the purpose of GroupName in RadioButton?

Answer: It ensures that only one RadioButton in a group can be selected.

1. 2. How do you retrieve which RadioButton is selected?

Answer: By checking the Checked property of each RadioButton.

1. 3. Can you have multiple groups of RadioButtons on the same page?

Answer: Yes, by assigning different GroupName values.

1. 4. What happens if no GroupName is set?

Answer: All radio buttons behave independently and multiple can be selected.

1. 5. What ASP.NET control is used to display dynamic text on the page?

Answer: Label control.