ASP.NET LAB MANUAL

# Practical 1: Display Welcome Message using Button Click

## Objective

To create a basic ASP.NET Web Forms application that displays the message "Welcome to the world of ASP.NET" when the user clicks a button.

## Software Requirements

|  |  |
| --- | --- |
| Component | Description |
| IDE | Visual Studio (2017/2019/2022) |
| .NET Framework | ASP.NET with .NET Framework (4.5 or above) |
| Browser | Google Chrome / Microsoft Edge |
| Language | C# (Code-behind) |

## Web Controls Used

* Button: To trigger the welcome message
* Label: To display the welcome message

## Step-by-Step Instructions

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

Step 2: Design the form in Default.aspx using the following code:

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="WelcomeApp.Default" %>  
  
<!DOCTYPE html>  
<html xmlns="http://www.w3.org/1999/xhtml">  
<head><title>Welcome Application</title></head>  
<body>  
 <form id="form1" runat="server">  
 <div style="text-align:center; margin-top:50px;">  
 <asp:Button ID="btnWelcome" runat="server" Text="Click" OnClick="btnWelcome\_Click" />  
 <br /><br />  
 <asp:Label ID="lblMessage" runat="server" Font-Size="Large" ForeColor="Green"></asp:Label>  
 </div>  
 </form>  
</body>  
</html>

Step 3: Write the backend C# code in Default.aspx.cs file:

using System;  
  
namespace WelcomeApp  
{  
 public partial class Default : System.Web.UI.Page  
 {  
 protected void btnWelcome\_Click(object sender, EventArgs e)  
 {  
 lblMessage.Text = "Welcome to the world of ASP.NET";  
 }  
 }  
}

## Step 4: Run the Application

Press F5 or click on Start Debugging in Visual Studio. The web page will appear. Click the 'Click' button to display the welcome message.

## Expected Output

When the user clicks the button, the label displays:  
"Welcome to the world of ASP.NET"

## Conclusion

Successfully created a simple ASP.NET Web Forms application that displays a welcome message on a button click using basic web controls.