

Name of the Teacher – Vaishali C. Dalvi
Class – B.Sc (CS) Entire
Subject – C# Programming

HTML Server Controls In ASP.Net

- HTML server controls are HTML tags understood by the server.
- HTML elements in ASP.NET files are, by default, treated as text. To make these elements programmable, add a `runat="server"` attribute to the HTML element.
- This attribute indicates that the element should be treated as a server control.
- All HTML server controls must be within a `<form>` tag with the `runat="server"` attribute
- ASP.NET requires that all HTML elements must be properly closed and properly nested.

HTML server controls offer the following advantages:

- The HTML server controls map one to one with their corresponding HTML tags.
- When the ASP.NET application is compiled, the HTML server controls with the `runat=server` attribute are compiled into the assembly.
- Most controls include an `OnServerEvent` for the most commonly used event for the control. For example, the `<input type=button>` control has an `OnServerClick` event.
- The HTML tags that are not implemented as specific HTML server controls can still be used on the server side; however, they are added to the assembly as `HtmlGenericControl`.
- When the ASP.NET page is reposted, the HTML server controls keep their values.

Different HTML Controls

HTML Server Control	Description
HtmlAnchor	Controls an <a> HTML element
HtmlButton	Controls a <button> HTML element
HtmlForm	Controls a <form> HTML element
HtmlGeneric	Controls other HTML element not specified by a specific HTML server control, like <body>, <div>, , etc.
HtmlImage	Controls an <image> HTML element
HtmlInputButton	Controls <input type="button">, <input type="submit">, and <input type="reset"> HTML elements
HtmlInputCheckBox	Controls an <input type="checkbox"> HTML element

HTML Server Control	Description
HtmlInputCheckBox	Controls an <code><input type="checkbox"></code> HTML element
HtmlInputFile	Controls an <code><input type="file"></code> HTML element
HtmlInputHidden	Controls an <code><input type="hidden"></code> HTML element
HtmlInputImage	Controls an <code><input type="image"></code> HTML element
HtmlInputRadioButton	Controls an <code><input type="radio"></code> HTML element
HtmlInputText	Controls <code><input type="text"></code> and <code><input type="password"></code> HTML elements
HtmlSelect	Controls a <code><select></code> HTML element

HTML Server Control	Description
HtmlTable	Controls a <table> HTML element
HtmlTableCell	Controls <td>and <th> HTML elements
HtmlTableRow	Controls a <tr> HTML element
HtmlTextArea	Controls a <textarea> HTML element
HtmlInputCheckBox	Controls an <input type="checkbox"> HTML element
HtmlInputFile	Controls an <input type="file"> HTML element
HtmlInputHidden	Controls an <input type="hidden"> HTML element
HtmlInputImage	Controls an <input type="image"> HTML element

HTML Server Control	Description
HtmlInputRadioButton	Controls an <input type="radio"> HTML element
HtmlInputText	Controls <input type="text"> and <input type="password"> HTML elements
HtmlSelect	Controls a <select> HTML element
HtmlTable	Controls a <table> HTML element
HtmlTableCell	Controls <td>and <th> HTML elements
HtmlTableRow	Controls a <tr> HTML element
HtmlTextArea	Controls a <textarea> HTML element

THANK

YOU