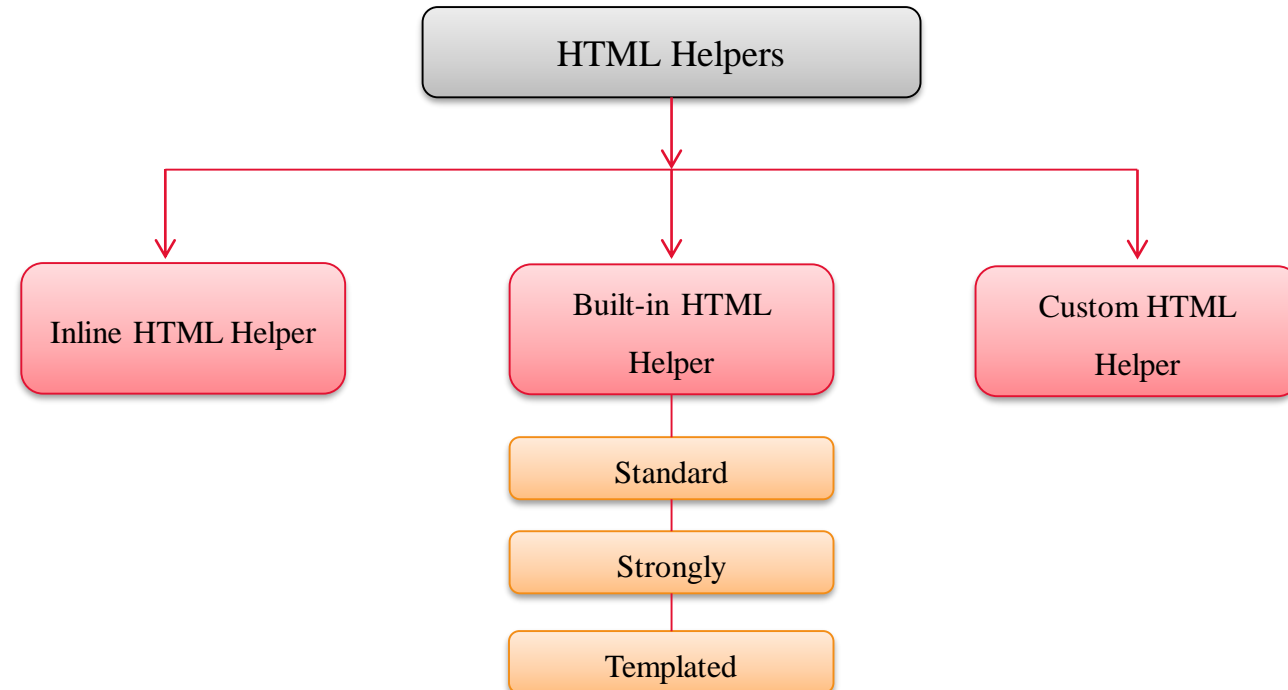# Module - 7
Html Helpers

HTML helpers

HTML Helpers are methods that returns HTML strings. These are used in the view. In simple terms, these are C# methods that are used to return HTML. Using HTML helpers we can render a text box, an area, image tag, etc. In MVC we have many built-in HTML helpers and we can create custom helpers too. Using HTML helpers a view can show model properties and can generate HTML as per the types of properties.

Types of HTML Helpers:
- Inline HTML Helper
- Built-in HTML Helper
    - Standard HTML helper
    - Strongly Typed HTML helper
    - Templated HTML Helper
- Custom HTML Helper

```
                    HTML Helpers

  Inline HTML Helper    Built-in HTML Helper    Custom HTML Helper

                            Standard
                            Strongly
                            Templated
```
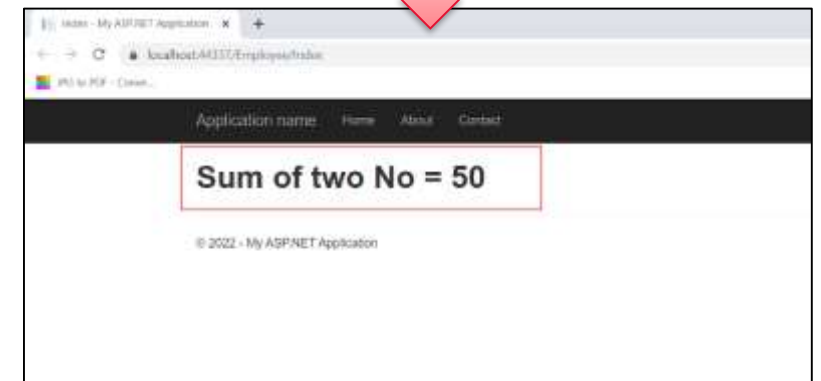
Inline HTML Helpers

- These are the type of helpers that are used on a single view and are used on the same page. Inline HTML helpers can be created using **@helper tag**.

- Syntax –

    @helper HelperName(parameters)

    {

        // code

    }

- To use the above-created helper we use the following syntax –

    @HelperName(parameters)

Advantages of using Inline HTML Helper in MVC 5

- It is reusable on the same view.
- It reduces the code repetition
- It is simple to create and easy to use.
- It is easy to customization the method based on the requirement.

Built-in HTML Helpers

Generally, standard type of built-in html helpers are used for rendering HTML elements like text boxes, checkboxes, Radio Buttons, and Dropdown lists, etc..

Built-in Helpers	Description
@Html.ActionLink()	Used to create link on html page
@Html.TextBox()	Used to create text box
@Html.CheckBox()	Used to create check box
@Html.RadioButton()	Used to create Radio Button
@Html.BeginForm()	Used to start a form
@Html.EndForm()	Used to end a form
@Html.DropDownList()	Used to create drop down list
@Html.Hidden()	Used to create hidden fields
@Html.Label()	Used for creating HTML label is on the browser
@Html.TextArea()	The TextArea method renders text area element on browser
@Html.Password()	This method is responsible for creating password input field on bowser
@Html.ListBox()	The ListBox helper method creates html ListBox with scrollbar on browser

Table: Built-in standard HTML helpers

1. Html.Label()

```
<h3>Label</h3>
@Html.Label("FirstName", "Levi Ackerman")
```

Label

Levi Ackerman

2. Html.TextBox()

Class

```
<h3>Text Box</h3>
@Html.TextBox("txtName", "", new {@class="form-control", placeholder = "Enter Name"})
```

Text Box

Enter Name

3. Html.TextArea()

```
<h3>Text Area</h3>
@Html.TextArea("description", "", new { @class = "form-control", row = 5 })
```

Text Area

4. Html.Password()

```
<h3>Password</h3>
@Html.Password("password", " ", new { @class = "form-control" })
```

Password

5. Html.RadioButton()

```html
<h3>Radio Button</h3>
@Html.RadioButton("Select", "Yes", new { id = "Yes" }) Select
```

Radio Button

○ Select

6. Html.CheckBox()

```html
<h3>Check Box</h3>
@Html.CheckBox("htmlSkill") HTML 5
```

Check Box

☐ HTML 5

7. Html.ListBox()

```html
<h3>List Box</h3>
@Html.ListBox("Skills", new List<SelectListItem>{
    new SelectListItem {Text = "ASP.NET", Value = "1"},
    new SelectListItem {Text = "MVC", Value = "2"},
    new SelectListItem {Text = "SQL Server", Value = "3"},
    new SelectListItem {Text = "Angular", Value = "4"},
    new SelectListItem {Text = "Web API", Value = "5"},
}, new { @class = "form-control" })
```

List Box

```
ASP.NET
MVC
SQL Server
Angular
```

8. Html.DropDownList()

```html
<h3>Drop Down List</h3>
@Html.DropDownList("Country", new List<SelectListItem>{
    new SelectListItem {Text = "Select Country", Value = "-1"},
    new SelectListItem {Text = "India", Value = "1"},
    new SelectListItem {Text = "China", Value = "2"},
    new SelectListItem {Text = "Japan", Value = "3"},
    new SelectListItem {Text = "Russia", Value = "4"},
}, new { @class = "form-control" })
```

Drop Down List

```
Select Country          ˅
Select Country
India
China
Japan
Russia
```

THANK YOU