

# ASP.NET Razor Introduction

Razor is a standard markup syntax that allows us to embed server code into the web pages. It uses its own syntax and keywords to generate view.

If there is server code in the web page, server executes that code first then send response to the browser. It allows us to perform logical tasks in the view page. We can create expressions, loops and variables in the view page.

It has simplified syntax which is easy to learn and code. This file extension is **.cshtml**.

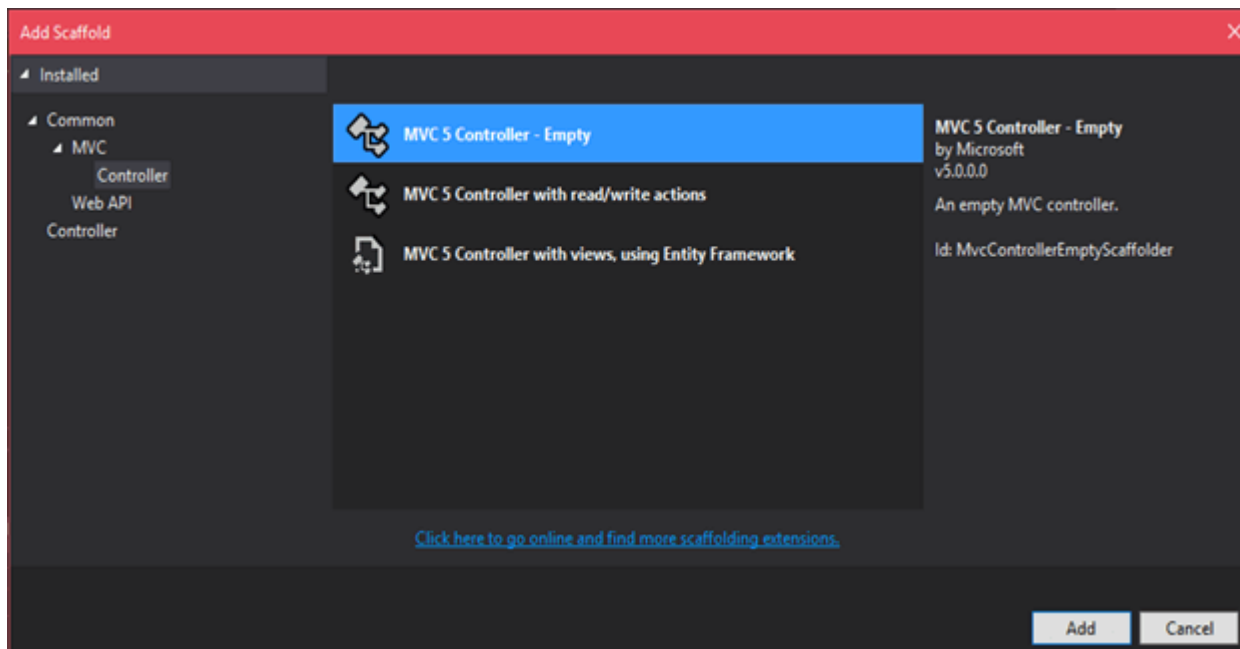
Razor uses this character to transit from HTML to C#. When @ symbol is used with razor syntax, it transits into Razor specific markup, otherwise it transitions into plain C#. We used it, to start single line expression, single statement block or multi-statement block.

## Razor Keywords

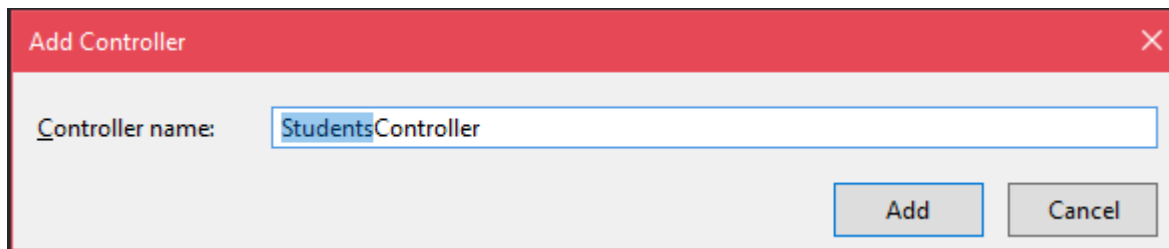
- functions
  - inherits
  - model
  - section
  - helper (Not supported by ASP.NET Core.)
- 

## Example

Let's create a view that has Razor syntax. Right click on the **Controller** folder and select **add->controller**, it will prompt the following dialog.



Provide a name to the controller.



Click on add button, this will create a controller and adding the following code.

**//StudentsController.cs**

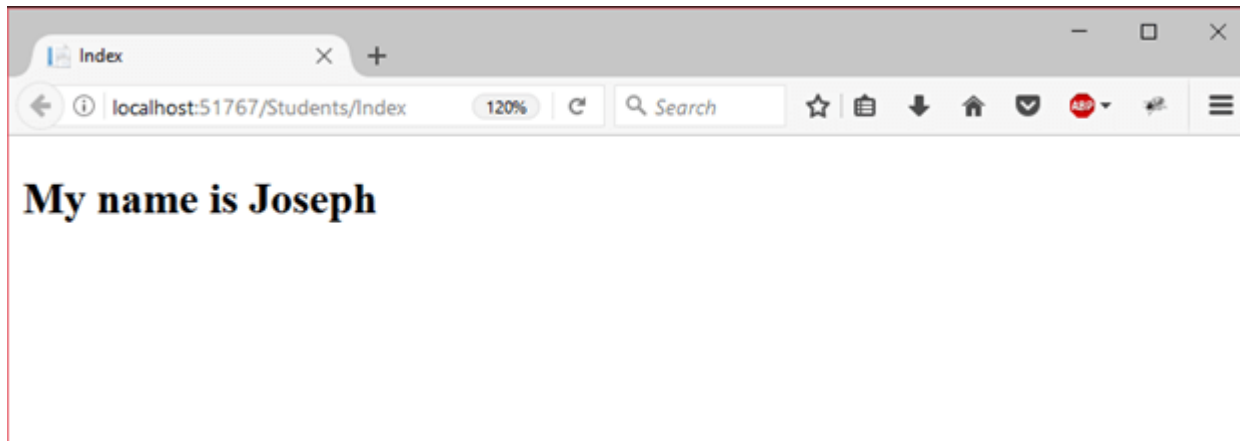
```
using System;  
using System.Collections.Generic;  
using System.Linq;  
using System.Web;  
using System.Web.Mvc;
```

```
namespace RazorViewExample.Controllers
{
    public class StudentsController : Controller
    {
        // GET: Students
        public ActionResult Index()
        {
            return View();
        }
    }
}
```

// Index.cshtml

```
@{
    Layout = null;
    var name = "Joseph";
}
<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width" />
    <title>Index</title>
</head>
<body>
    <h2>My name is @name </h2>
</body>
</html>
```

It produces the following output to the browser.

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An advertisement for XM 10 Years Anniversary. The background is dark with the XM logo and '10 YEARS ANNIVERSARY' text. A green button says 'انضم الآن' (Join Now). Arabic text on the right says 'صداقتك تمام إلى XM' (Your friendship is all to XM). At the bottom, it says '\*\$35 عن كل إحالة وسيكسب صديقك رصيد \$50\*' (\*\$35 for every referral and your friend will receive \$50 credit\*). Small text at the bottom left mentions 'تنطوي خدماتنا على مخاطرة كبيرة ويمكن أن تؤدي إلى خسارة رأس مالك المستمر. نطبق الشروط والأحكام.' (Our services involve high risk and can lead to loss of your capital. We apply terms and conditions.)

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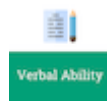
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