Razor

What is Razor?

Razor is a markup syntax for embedding .NET based code into web pages.

Microsoft's answer to PHP.

What does Razor look like

```
@page
@model Razor01.Pages.CounterModel
@{
    ViewData["Title"] = "Counter";
}
<h2>Count to 10</h2>
@for(int i = 0; i < 10; i++)
{
    @i
    <br />
}
```

Razor Pages web app

A page oriented design pattern for web sites.

The Visual Studio template named *ASP.NET Core Web App (Razor Pages),* creates a skeleton implementation.

Razor Pages web app structure

Two files per web page:

Index.cshtml
A Razor page containing a mix of HTML and Razor code. Contains a reference to the corresponding PageModel class.

Index.cshtml.cs
Contains the implementation of the PageModel class.
Get and Post parameters are bound to properties in this class.
OnGet() and OnPost() methods are called by the runtime before the Razor page is rendered.