

Razor Tutorial



What is Razor

- Razor is a mark-up syntax that lets you embed server based code into web pages
- Razor is based on ASP.Net and has a syntax similar to PHP and Classic ASP

Razor Syntax

```
<ul>  
  @for (int i = 0; i < 10; i++) {  
    <li> @i</li>  
  }  
</ul>
```

Remember the @ - for writing C# / VB code
Razor supports both C# and VB

Razor – View Engine in MVC

- View Engines are responsible for creating HTML from the views
- Razor is optimized around HTML generation

Razor Syntax

- Single statement block
- Multi statement block
- Razor is clever at distinguishing between mark up and C# code

Main Razor Syntax Rules for C#

- Razor code blocks are enclosed in `@{ ... }`
- Inline expressions (variables and functions) start with `@`
- Code statements end with semicolon
- Variables are declared with the `var` keyword
- Strings are enclosed with quotation marks
- C# code is case sensitive and C# files have the extension `.cshtml`

Razor – How does it work

- Based on ASP.Net framework and has inherited all its power
- Razor page has code and HTML
- Server executes the Razor code first before sending HTML to the browser

Data Types

int	Integer (whole numbers)	103, 12, 5168
float	Floating-point number	3.14, 3.4e38
decimal	Decimal number (higher precision)	1037.196543
bool	Boolean	true, false
string	String	"Hello ", "John"

Operators

- Supports the C# list of operators

Converting Data Types

AsInt()

IsInt()

AsFloat()

IsFloat()

AsDecimal()

IsDecimal()

Converting Data Types

AsDateTime()

IsDateTime()

AsBool()

IsBool()

ToString()

Example:

```
if (myString.IsInt())  
    {myInt=myString.AsInt();}
```

Loops

- For Loops
- For Each Loops
- While Loops

Conditions

- if else
- while
- switch