

```
RazorViewEngine objRazorViewEngine = new RazorViewEngine();  
ViewEngines.Engines.Add(objRazorViewEngine);
```

In
Application_Start()
View Engine is
registered

Custom C# Razor View Engine

```
1. public class CSharpRazorViewEngine : RazorViewEngine  
2. {  
3.     public CSharpRazorViewEngine()  
4.     {  
5.         AreaViewLocationFormats = new[]  
6.         {  
7.             "~/Areas/{2}/Views/{1}/{0}.cshtml",  
8.             "~/Areas/{2}/Views/Shared/{0}.cshtml"  
9.         };  
10.        AreaMasterLocationFormats = new[]  
11.        {  
12.            "~/Areas/{2}/Views/{1}/{0}.cshtml",  
13.            "~/Areas/{2}/Views/Shared/{0}.cshtml"  
14.        };  
15.        AreaPartialViewLocationFormats = new[]  
16.        {  
17.            "~/Areas/{2}/Views/{1}/{0}.cshtml",  
18.            "~/Areas/{2}/Views/Shared/{0}.cshtml"  
19.        };  
20.        ViewLocationFormats = new[]  
21.        {  
22.            "~/Views/{1}/{0}.cshtml",  
23.            "~/Views/Shared/{0}.cshtml"  
24.        };  
25.        MasterLocationFormats = new[]  
26.        {  
27.            "~/Views/{1}/{0}.cshtml",  
28.            "~/Views/Shared/{0}.cshtml"  
29.        };  
30.        PartialViewLocationFormats = new[]  
31.        {  
32.            "~/Views/{1}/{0}.cshtml",  
33.            "~/Views/Shared/{0}.cshtml"  
34.        };  
35.    }
```

Custom View Engine
is derived from
RazorViewEngine
class

Registering the C# Razor View Engine

```
1. protected void Application_Start()  
2. {  
3.     //Remove ALL View Engine including Webform and Razor  
4.     ViewEngines.Engines.Clear();  
5.     //Register C# Razor View Engine  
6.     ViewEngines.Engines.Add(new CSharpRazorViewEngine());  
7.     //Other code is removed for clarity  
8. }
```

Register New View
Engine in App_start

```

9.
10. namespace System.Web.Mvc
11. {
12.     // Summary:
13.     //     Represents a view engine that is used to render
the
14.     //     ASP.NET Razor syntax.
15.     public class RazorViewEngine : BuildManagerViewEngine
16.     {
17.         // Summary:
18.         //     Initializes a new instance of the System.Web.Mvc.RazorViewEngine
class.
19.         public RazorViewEngine();
20.         //
21.         // Summary:
22.         //     Initializes a new instance of the System.Web.Mvc.RazorViewEngine
class using
23.         //     the view page activator.
24.         //
25.         // Parameters:
26.         //     viewPageActivator:
27.         //         The view page activator.
28.         public RazorViewEngine(IViewPageActivator viewPageActivator);
29.
30.         // Summary:
31.         //     Creates a partial view using the specified controller context
and partial
32.         //     path.
33.         //
34.         // Parameters:
35.         //     controllerContext:
36.         //         The controller context.
37.         //
38.         //     partialPath:
39.         //         The path to the partial view.
40.         //
41.         // Returns:
42.         //     The partial view.
43.         protected override IView CreatePartialView(ControllerContext
controllerContext, string partialPath);
44.         //
45.         // Summary:
46.         //     Creates a view by using the specified controller context and the
paths of
47.         //     the view and master view.
48.         //
49.         // Parameters:
50.         //     controllerContext:
51.         //         The controller context.
52.         //
53.         //     viewPath:
54.         //         The path to the view.
55.         //
56.         //     masterPath:
57.         //         The path to the master view.
58.         //
59.         // Returns:
60.         //     The view.
61.         protected override IView CreateView(ControllerContext
controllerContext, string viewPath, string masterPath);
62.     }
63. }

```

Base class of all
RazorViewEngine

