

Hello World First MVC Application



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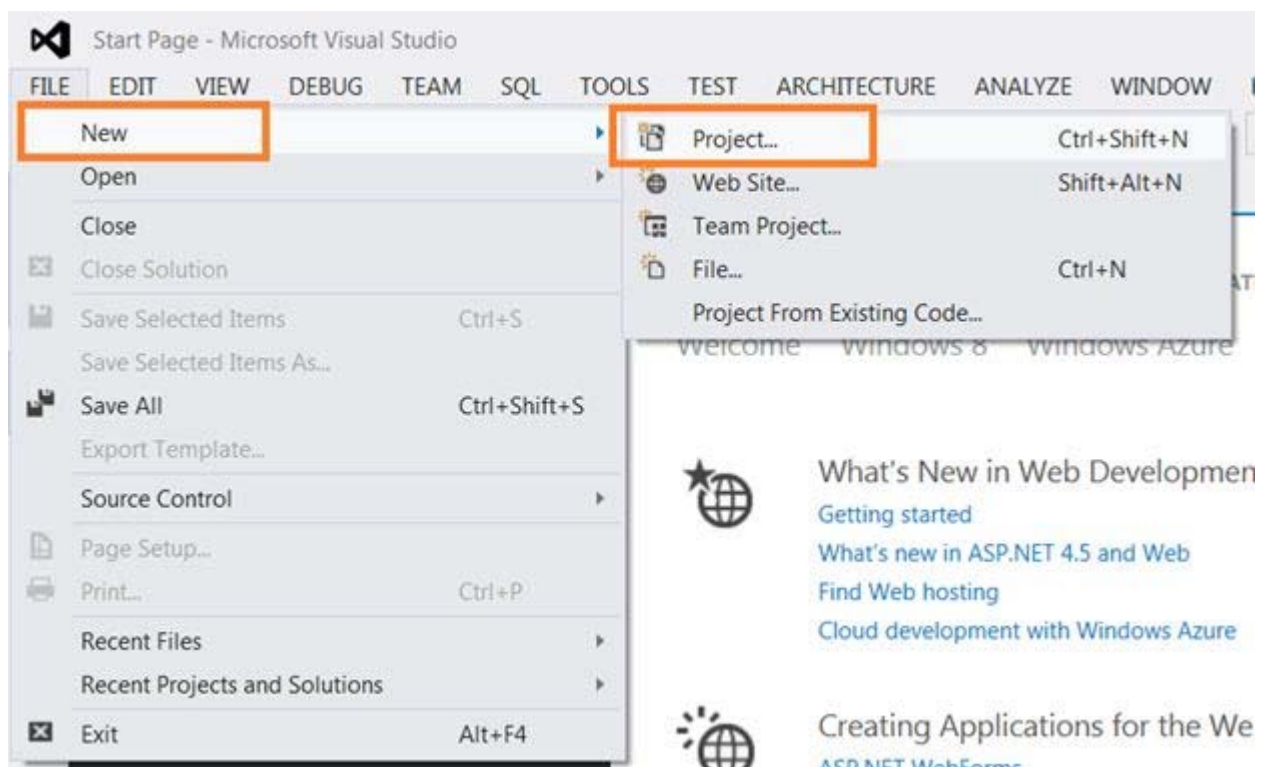
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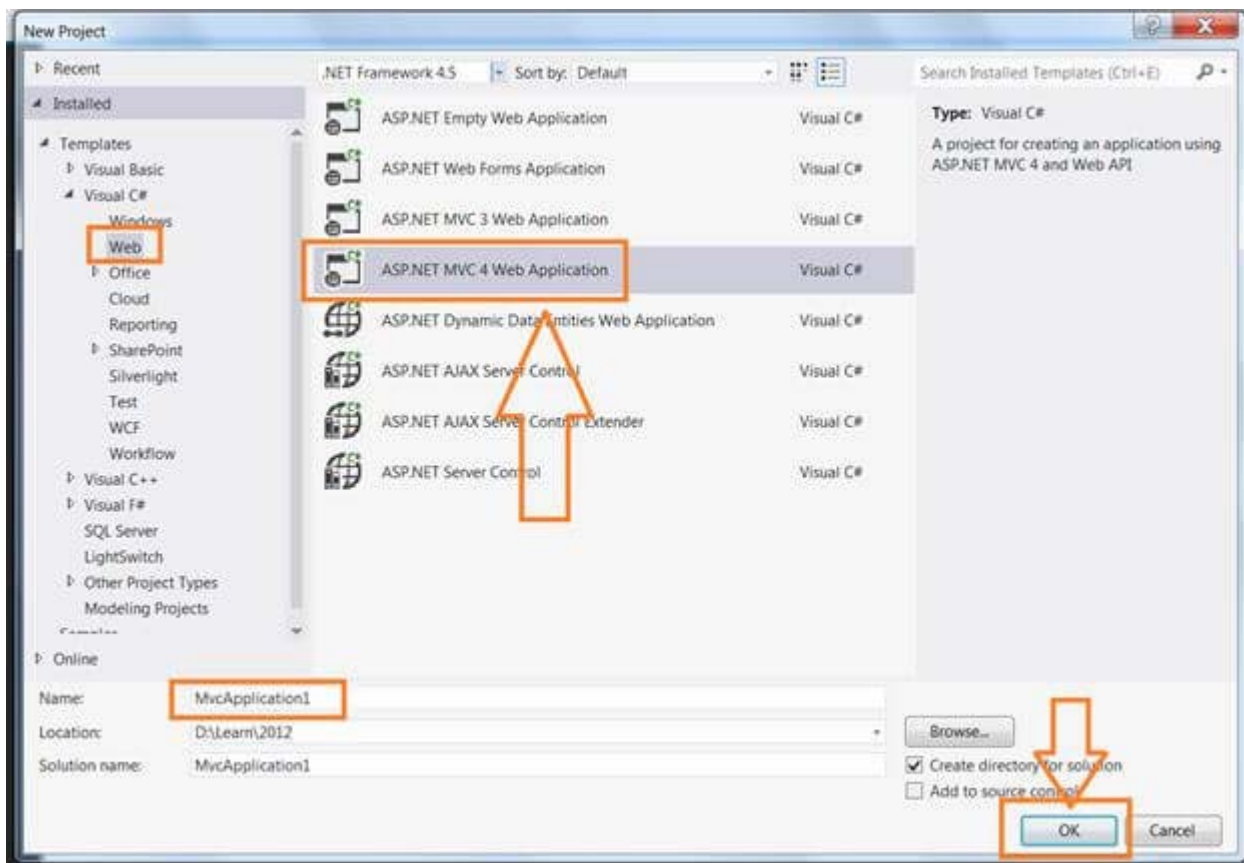
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This article shows how to start writing MVC applications.

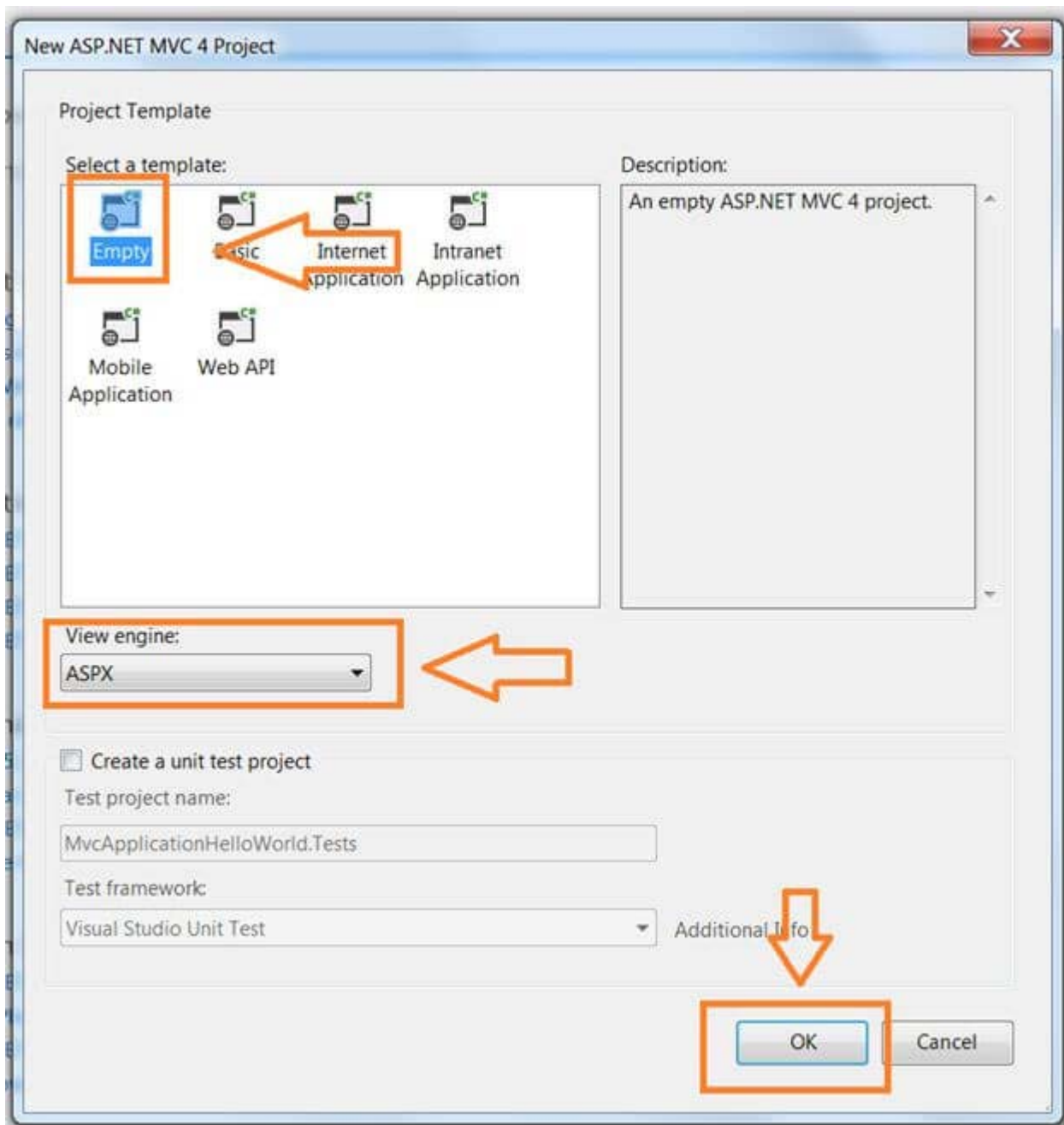
Step 1: From the Visual Studio menus select "File" -> "New" -> "Project...".



Step 2: Select the Template web the "ASP.NET MVC 4 Web Application".



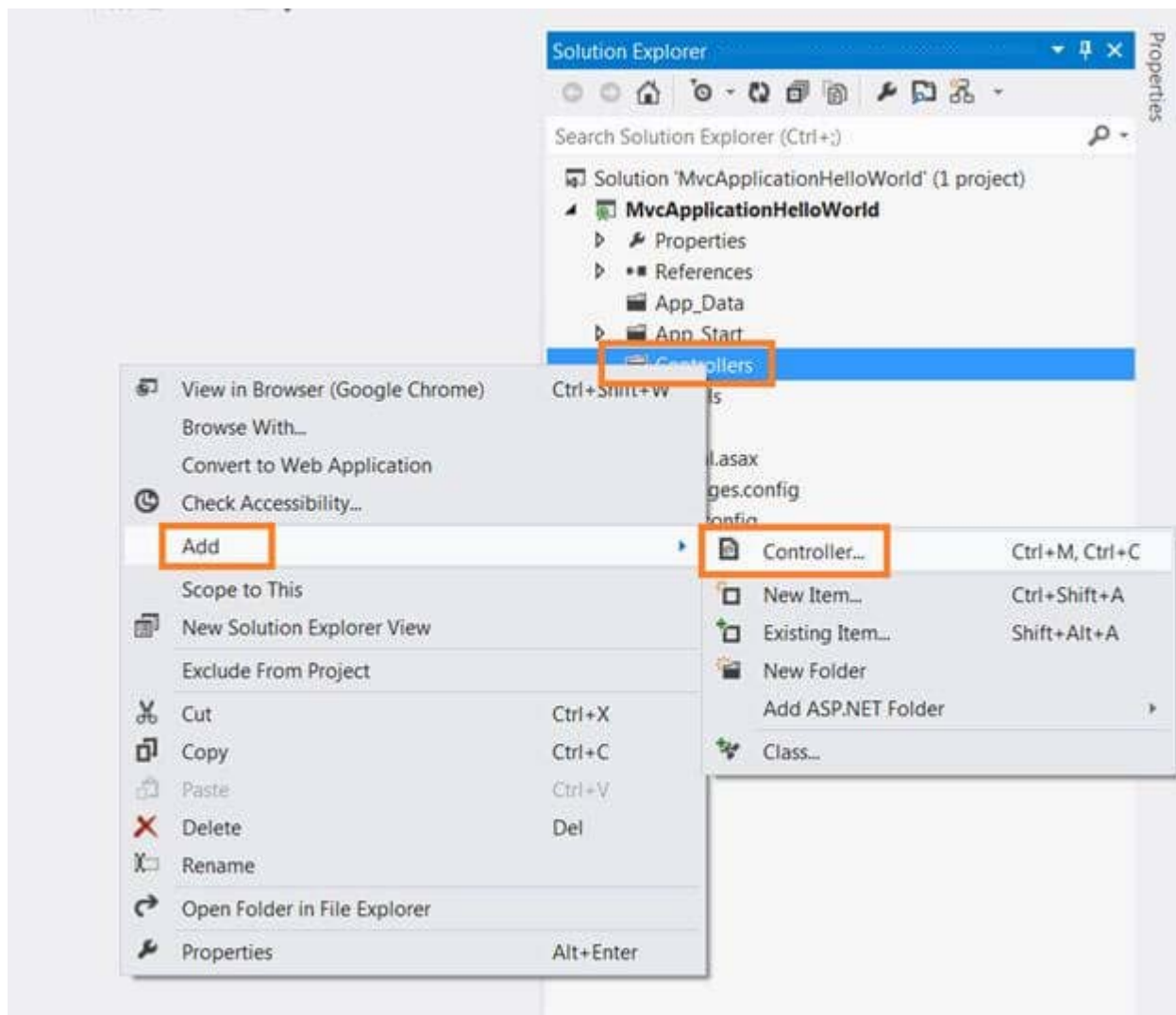
Then select the "Empty" template and Razor or ASPX View engine. I chose ASPX here to use ASPX pages for the view.



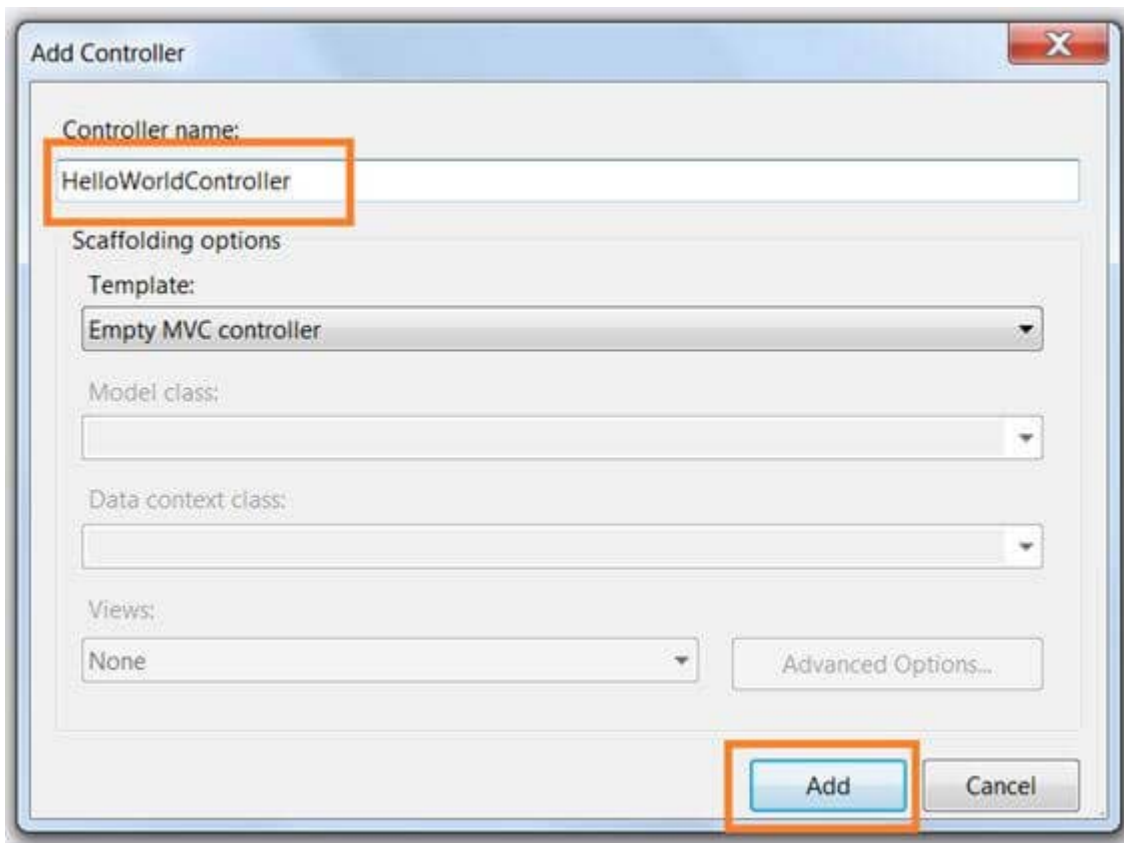
Now a MVC web application has been added to the solution.

Step 3: In this step we will add the Controller to our application.

Then just right-click on Controller in the Solution window then "Add" -> "Controller".



Step 4: Set the name for the controller and add it.



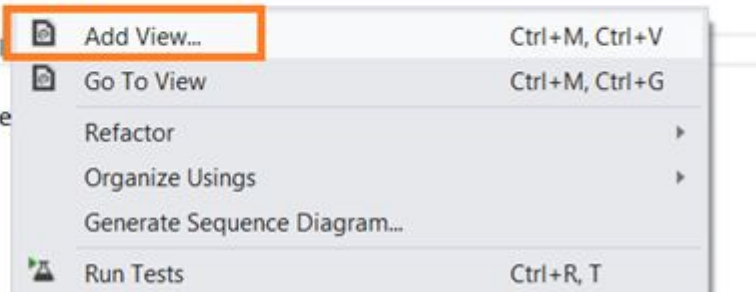
Step 5: In the next step we will add the view for our controller. To do that open the HelloWorld controller.

Right-click on the Index action and click on "Add View".

```
using System.Web;
using System.Web.Mvc;

namespace MvcApplicationHelloWorld.Controllers
{
    public class HelloWorldController : Controller
    {
        //
        // GET: /HelloWorld/

        public ActionResult Index()
        {
            return View();
        }
    }
}
```



Add View

View name:
Index

View engine:
ASPX (C#)

☐ Create a strongly-typed view

Model class:
[Empty]

Scaffold template:
Empty ☒ Reference script libraries

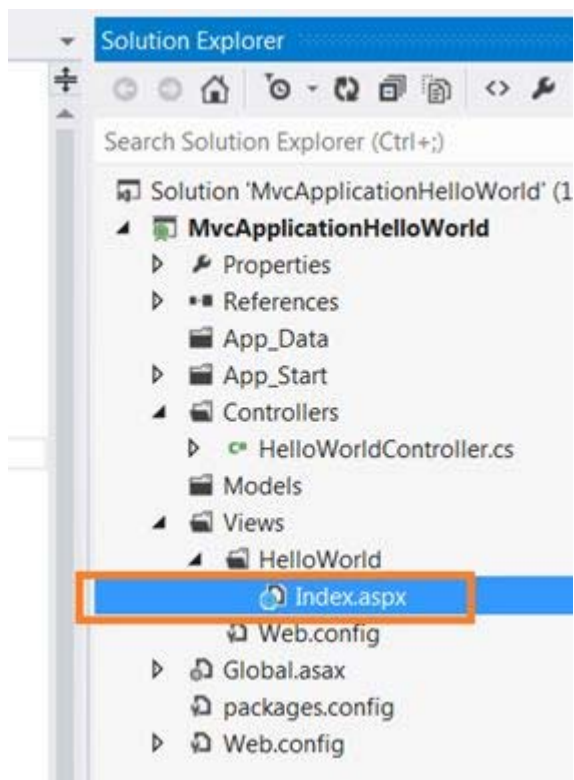
☐ Create as a partial view

☐ Use a layout or master page:
~ /Views/Shared/ Site.Master

ContentPlaceHolder ID:
MainContent

Add Cancel

Do not check the "Use a layout or master page" because we do not have any master page in our application. After adding the view open the source and add your design. I will add one simple line in it, "Hello world! This is my first MVC application".

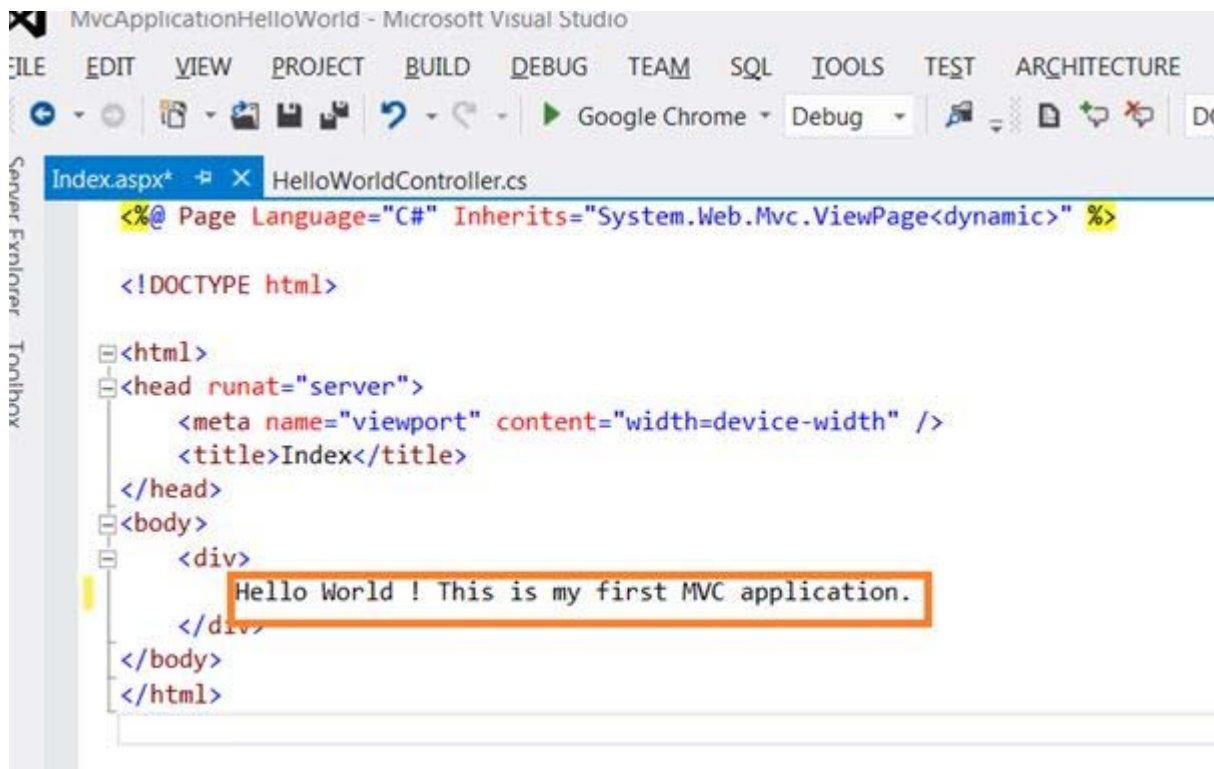


```
Index.aspx  X  HelloWorldController.cs
<%@ Page Language="C#" Inherits="System.Web.Mvc.ViewPage<dynamic>" %>

<!DOCTYPE html>

<html>
<head runat="server">
    <meta name="viewport" content="width=device-width" />
    <title>Index</title>
</head>
<body>
    <div>
          

    </div>
</body>
</html>
```

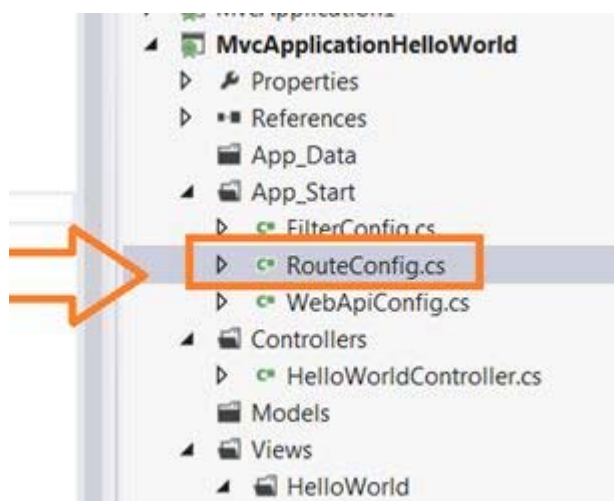



```
<%@ Page Language="C#" Inherits="System.Web.Mvc.ViewPage<dynamic>" %>

<!DOCTYPE html>

<html>
<head runat="server">
    <meta name="viewport" content="width=device-width" />
    <title>Index</title>
</head>
<body>
    <div>
        Hello World ! This is my first MVC application.
    </div>
</body>
</html>
```

Final Step: Open the RouteConfig file and set the default Action to open.



```
public class RouteConfig
{
    public static void RegisterRoutes(RouteCollection routes)
    {
        routes.IgnoreRoute("{resource}.axd/{*pathInfo}");

        routes.MapRoute(
            name: "Default",
            url: "{controller}/{action}/{id}",
            defaults: new { controller = "HelloWorld", action = "Index", id = UrlParameter.Optional }
        );
    }
}
```

Now press F5 and run the application.

Here is the output.

