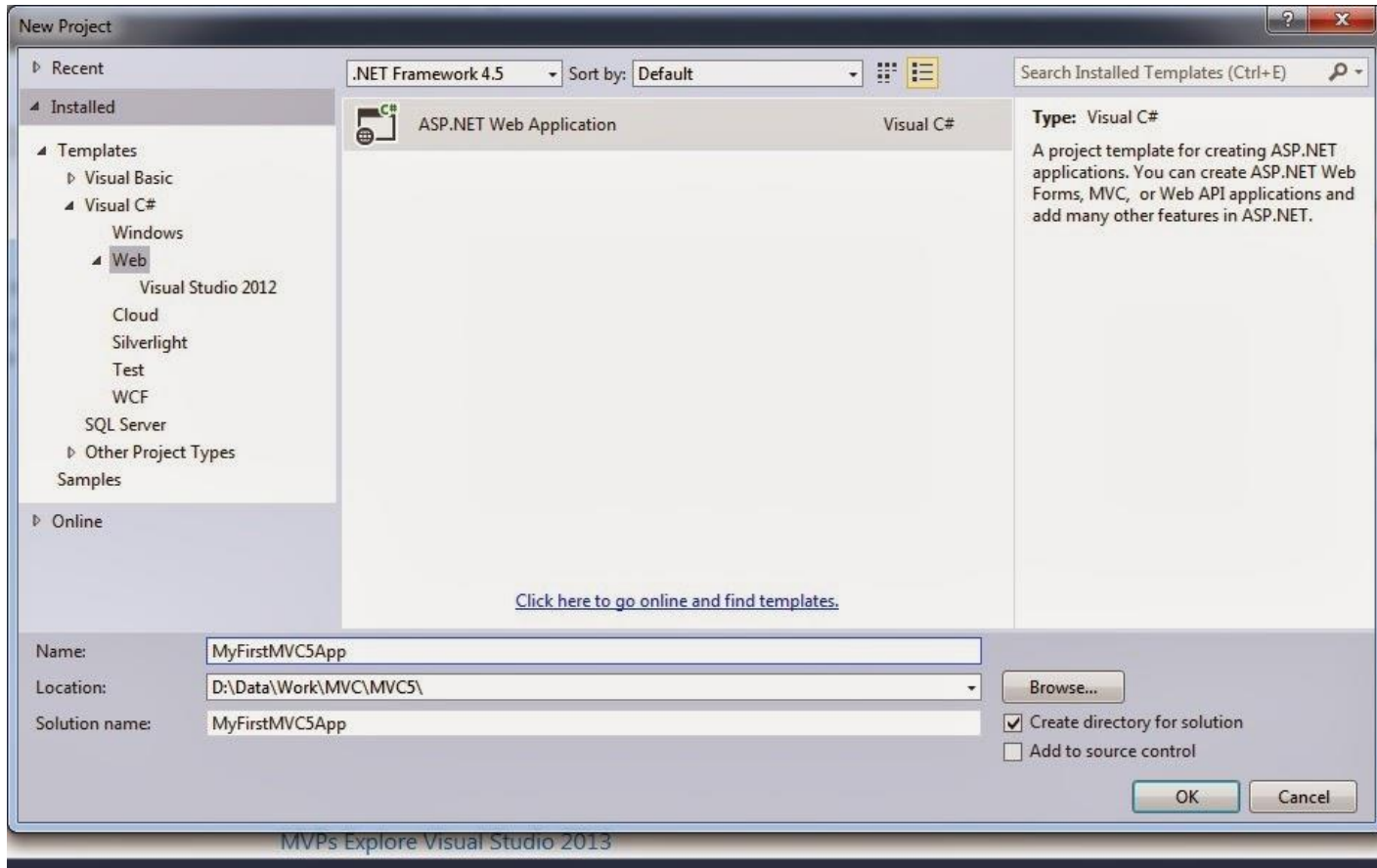


Building a Basic ASP.NET MVC 5 Application

MVC 5 Application

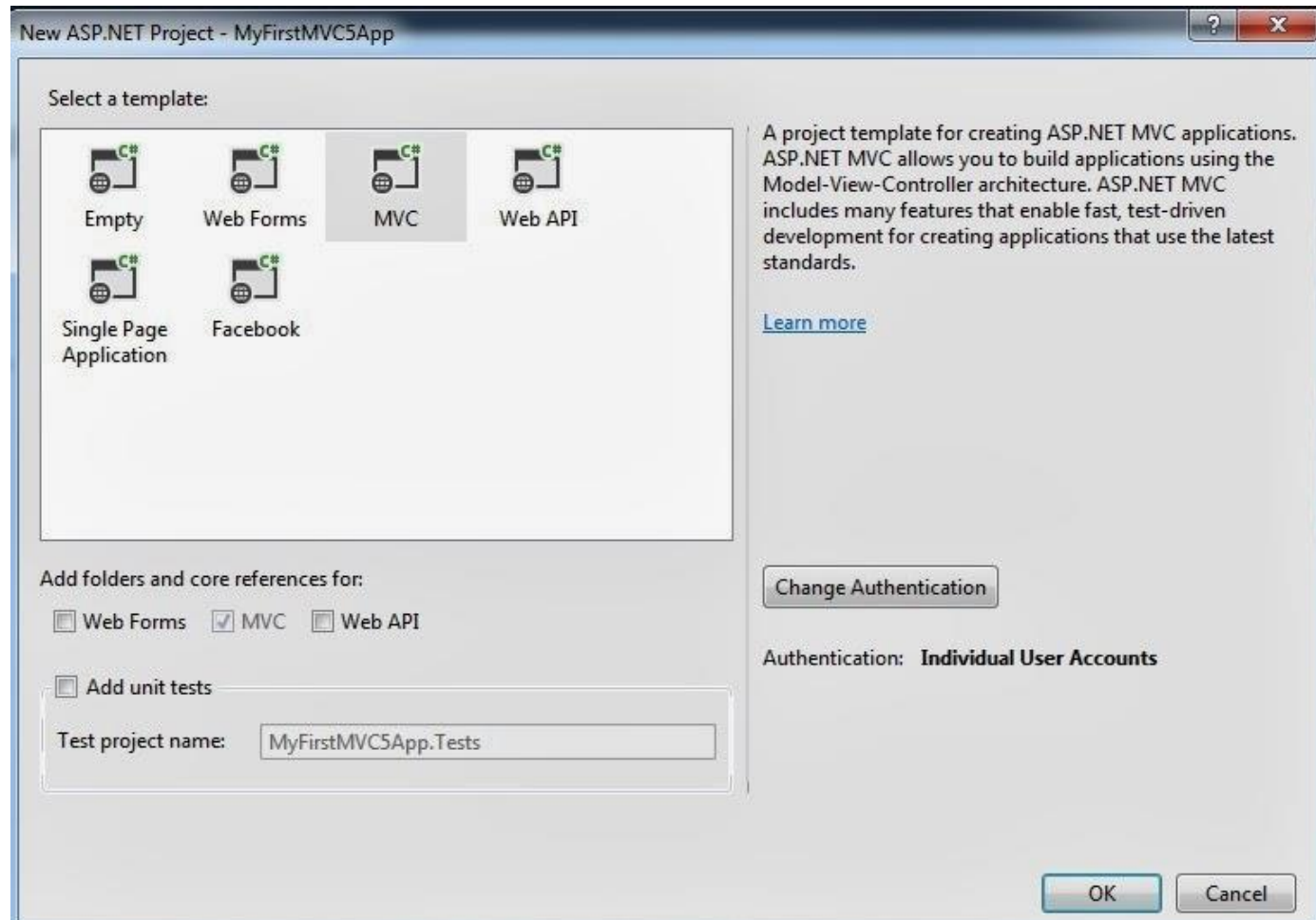
1. Creating MVC5 project in Visual Studio 2013

- Open Visual Studio Express 2013 for Web and create “New Project” as “File → New Project.”
- Choose “ASP.NET Web Application” template as shown in following figure. Name the project as “MyFirstMVC5App”, choose location and press “OK” button.



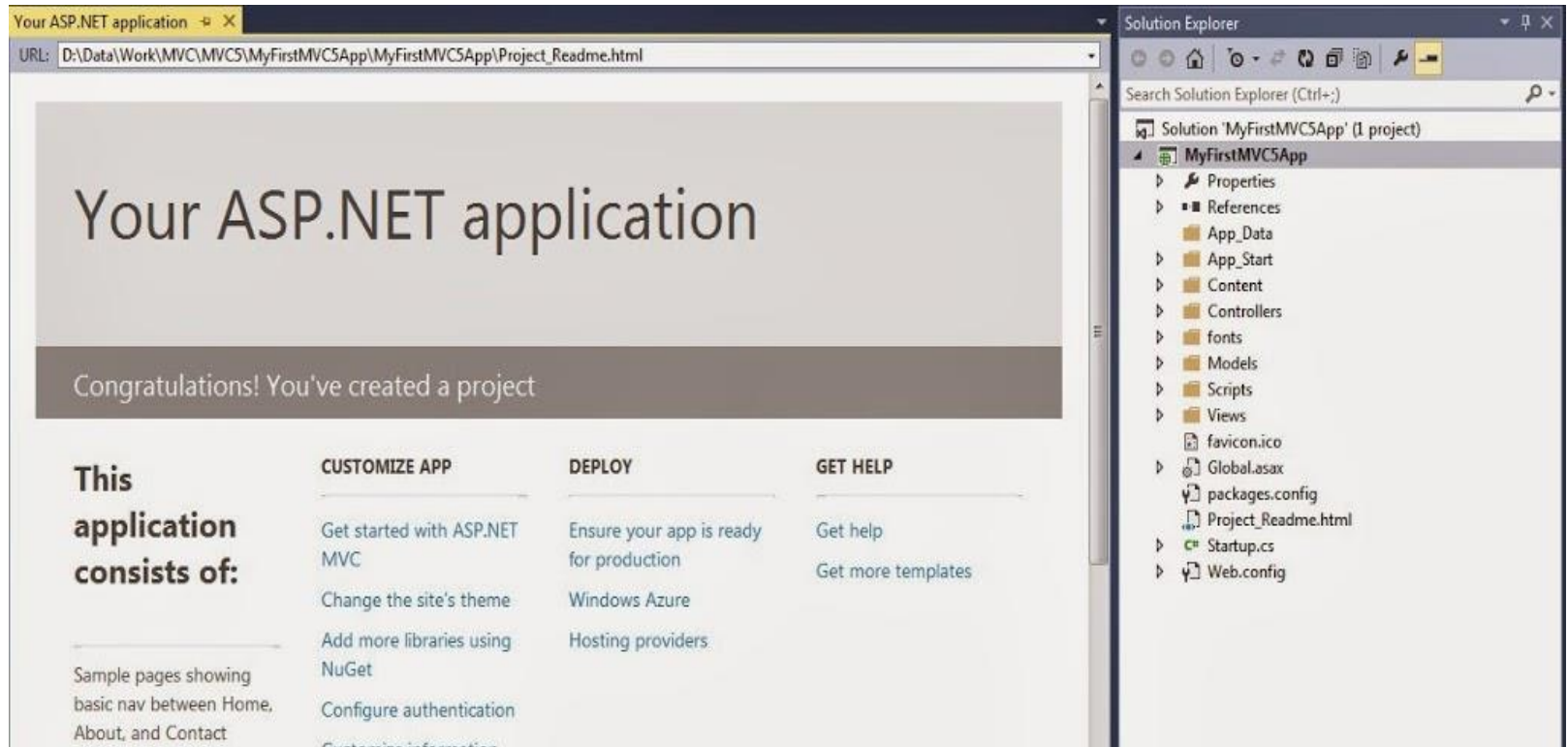
MVC 5 Application

- . In next dialog, choose “MVC” as template and again press “OK” button.



MVC 5 Application

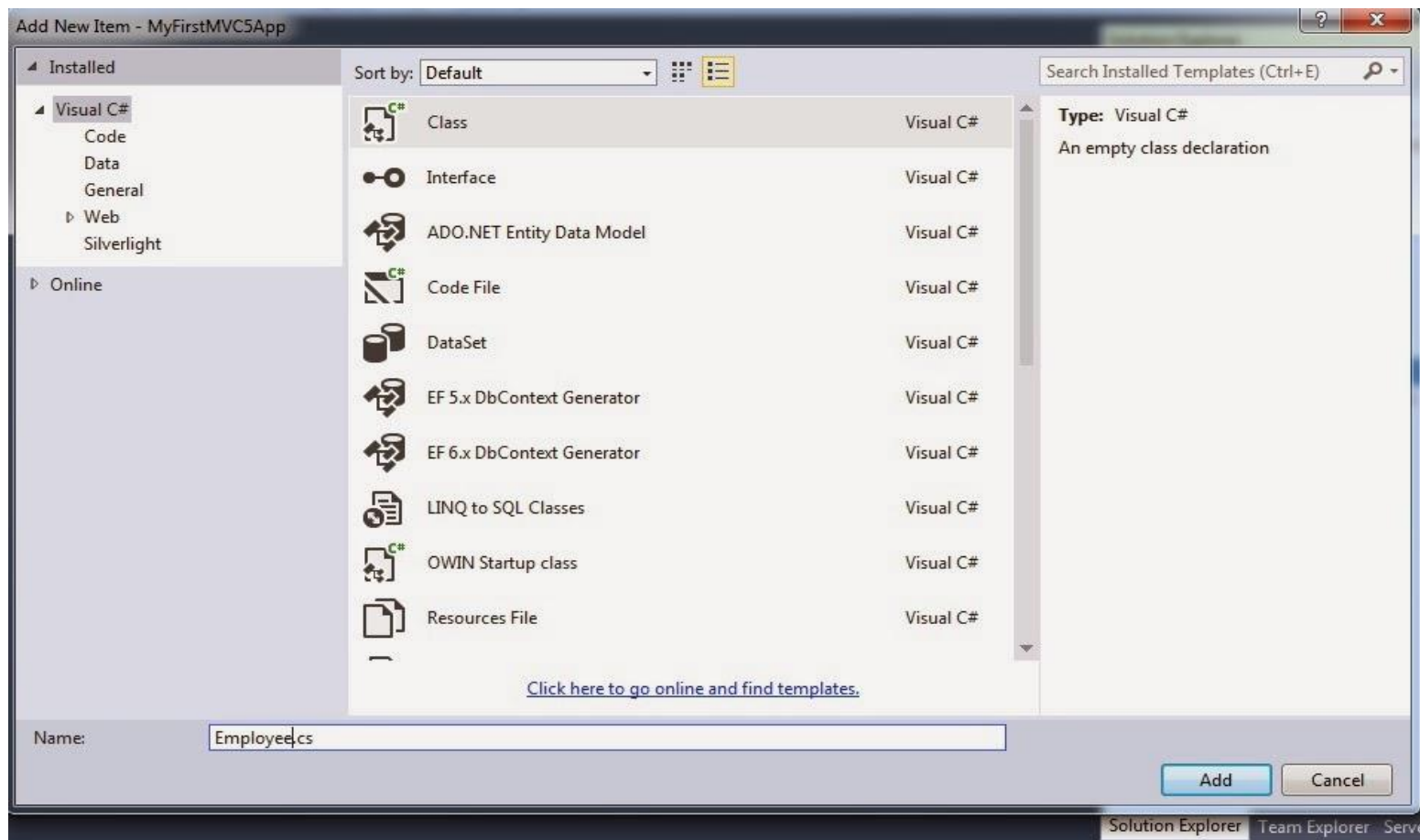
- . A new ASP.NET MVC 5 project will be created as follows. You can easily find the “Controllers”, “Models” and “Views” folder in solution explorer.



MVC 5 Application

2. Preparing a Model

- In order to prepare a model, right click on “Models” folder and choose “Add”, then “Class”.
- Name the class as “Employee.cs”.



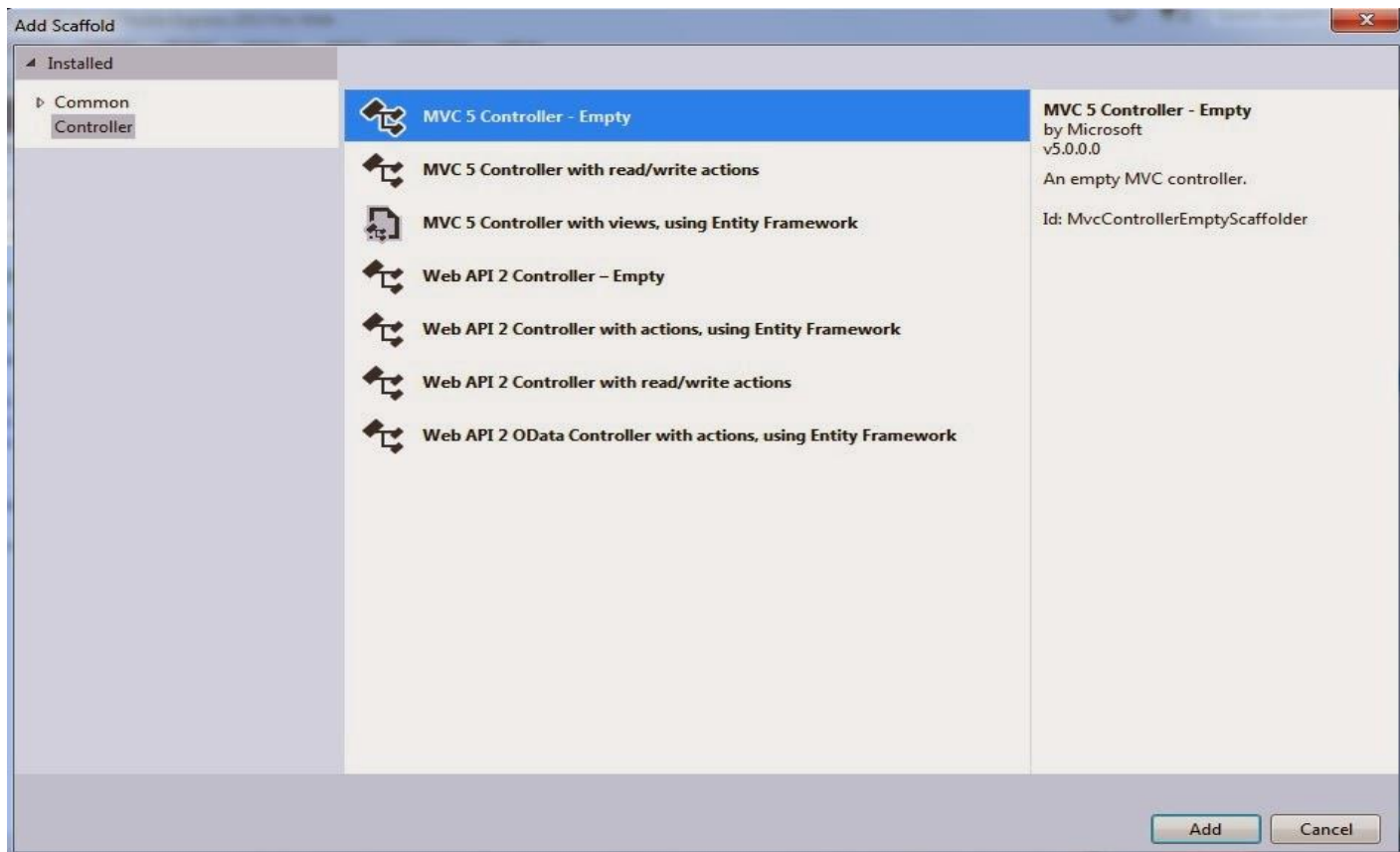
MVC 5 Application

```
public class Employee
{
    public string EmpID { get; set; }
    public string EmpFirstName { get; set; }
    public string EmpLastName { get; set; }
}
```

Model is the representation of data structure in our Data Source, so you can assume this “*Employee*” class represents an Employee table in our database with columns as “EmpID”, “EmpFirstName”, “EmpLastName” and so on.

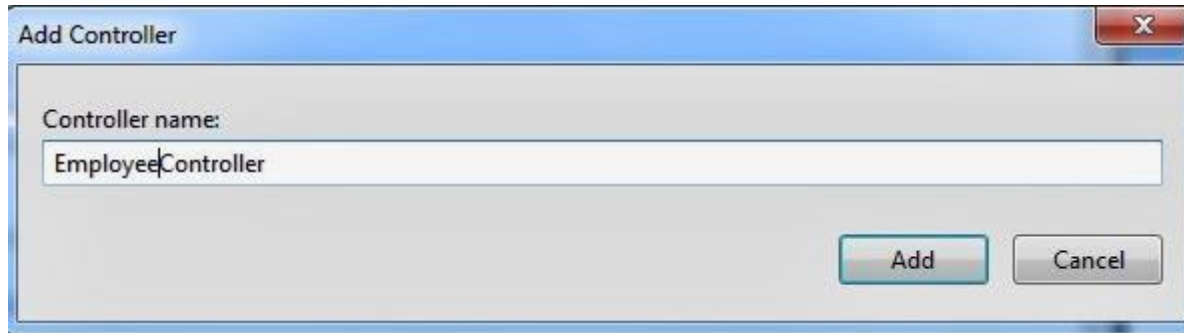
MVC 5 Application

- **3. Add a Controller**
- To add a controller to our project, right click on “Controllers” folder, choose “Add”, then “Controller”.
- From “Add Scaffold” dialog, choose “MVC 5 Controller – Empty” and press “Add” button as follows:



MVC 5 Application

- Name the controller as “EmployeeController” in next dialog and press “Add”. A new controller will be added to “Controllers” folder. Controller code generated will be as follows:



MVC 5 Application

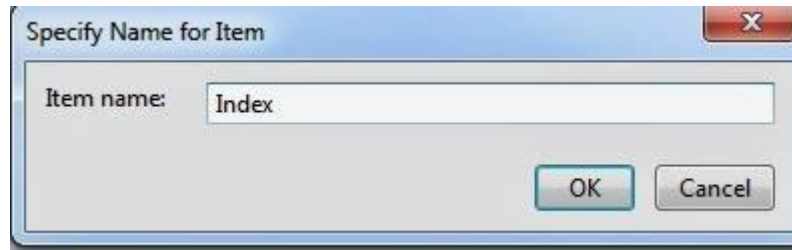
```
namespace MyFirstMVC5App.Controllers
{
    public class EmployeeController : Controller
    {
        // GET: /Employee/
        public ActionResult Index()
        {
            return View();
        }
    }
}
```

- *EmployeeController* inheriting from base *Controller* class has a method named *Index()*. This *Index()* method will be the default method called when accessing this controller as (<http://localhost:xxxx/Employee/>).
- In order to generate HTML response, above *Index()* method uses a view template i.e. represented in code as “return View();”
- As we create a controller, a new folder will be created under “Views” named as “Employee”.

MVC 5 Application

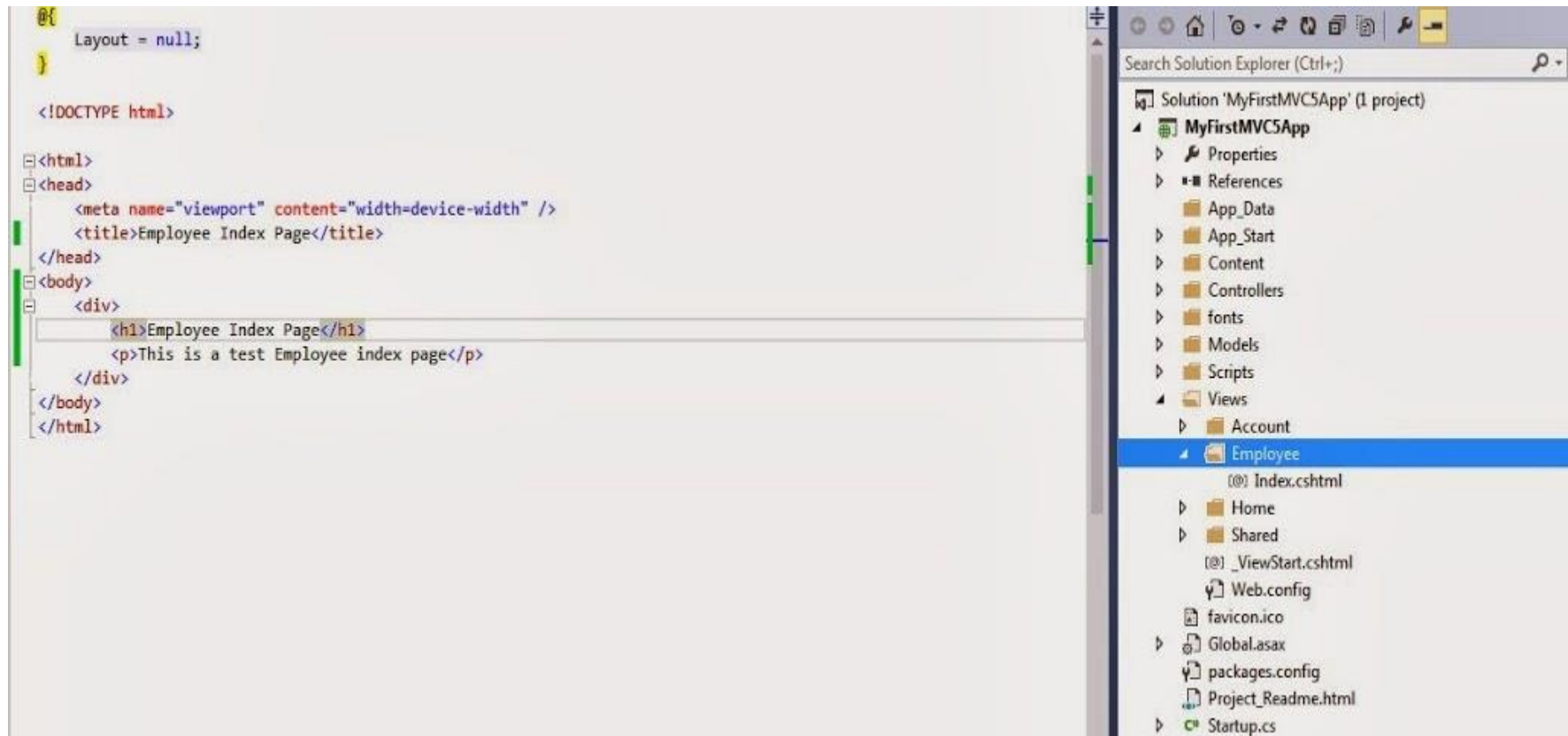
4. Add a View

- Finally for adding a view, right click on newly created “Employee” folder under views, choose “Add”, then “MVC 5 View Page (Razor)”. Specify the name for the view “Index” as follows:



MVC 5 Application

A new file with the name “Index.cshtml” will be added under “Views->Employee” folder. I have added meaningful some text to this page as shown in below figure.



MVC 5 Application

Now, we are done with creating a simple ASP.NET MVC 5 application. To run the application, click CTRL + F5.

Or

change the URL in browser from above to *http://localhost:11517/Employee/* and press enter, still the output remains the same.

Result will be as follows:

