

MA Practical 1

1) Install .Net Core Sdk (Link: <https://dotnet.microsoft.com/learn/dotnet/hello-world-tutorial/install>)

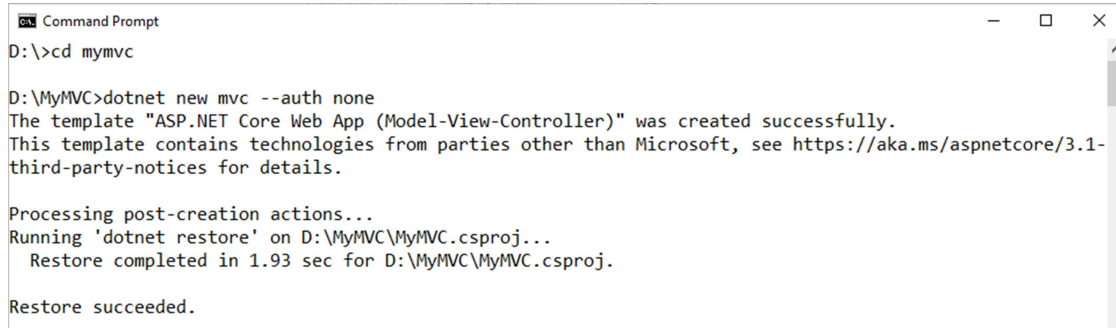
2) create folder MyMVC folder in D: drive or any other drive

3) open command prompt and perform following operations

Command: to create mvc project

```
dotnet new mvc --auth none
```

output:



```
Command Prompt
D:\>cd mymvc

D:\MyMVC>dotnet new mvc --auth none
The template "ASP.NET Core Web App (Model-View-Controller)" was created successfully.
This template contains technologies from parties other than Microsoft, see https://aka.ms/aspnetcore/3.1-third-party-notices for details.

Processing post-creation actions...
Running 'dotnet restore' on D:\MyMVC\MyMVC.csproj...
  Restore completed in 1.93 sec for D:\MyMVC\MyMVC.csproj.

Restore succeeded.
```

4) Go to controllers folder and modify HomeController.cs file to match following:

```
using System;
```

```
using System.Collections.Generic;
```

```
using System.Diagnostics;
```

```
using System.Linq;
```

```
using System.Threading.Tasks;
```

```
using Microsoft.AspNetCore.Mvc;
```

```
using Microsoft.Extensions.Logging;
```

```
using MyMVC.Models;
```

```
namespace MyMVC.Controllers
```

```
{ public class HomeController : Controller
```

```
{
```

```
    public String Index()
```

```
    { return "Hello World"; }
```

```
}
```

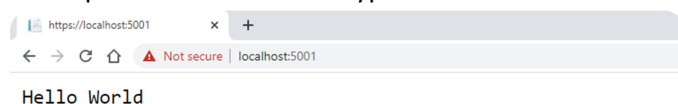
```
}
```

5) Run the project



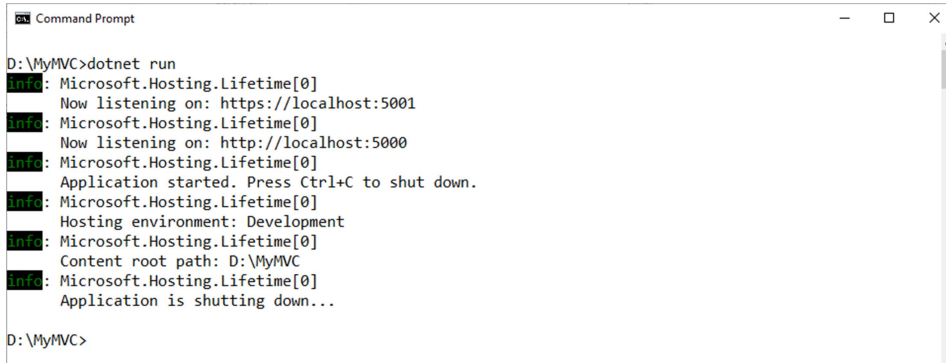
```
Command Prompt - dotnet run
D:\MyMVC>dotnet run
info: Microsoft.Hosting.Lifetime[0]
      Now listening on: https://localhost:5001
info: Microsoft.Hosting.Lifetime[0]
      Now listening on: http://localhost:5000
info: Microsoft.Hosting.Lifetime[0]
      Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
      Hosting environment: Development
info: Microsoft.Hosting.Lifetime[0]
      Content root path: D:\MyMVC
```

Now open browser and type URL: localhost:5000



```
https://localhost:5001
Not secure | localhost:5001
Hello World
```

6) Now go back to command prompt and stop running project using CTRL+C



```
Command Prompt
D:\MyMVC>dotnet run
info: Microsoft.Hosting.Lifetime[0]
      Now listening on: https://localhost:5001
info: Microsoft.Hosting.Lifetime[0]
      Now listening on: http://localhost:5000
info: Microsoft.Hosting.Lifetime[0]
      Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
      Hosting environment: Development
info: Microsoft.Hosting.Lifetime[0]
      Content root path: D:\MyMVC
info: Microsoft.Hosting.Lifetime[0]
      Application is shutting down...

D:\MyMVC>
```

7)Go to models folder and add new file StockQuote.cs to it with following content

using System;

namespace MyMVC.Models

```
{
    public class StockQuote
    {
        public string Symbol {get;set;}
        public int Price{get;set;}
    }
}
```

8)Now Add View to folder then home folder in it and modify index.cshtml file to match following

```
@{
    ViewData["Title"] = "Home Page";
}

<div>
    Symbol: @Model.Symbol <br/>
    Price: $@Model.Price <br/>
</div>
```

9)Now modify HomeController.cs file to match following:

using System;

using System.Collections.Generic;

using System.Diagnostics;

using System.Linq;

using System.Threading.Tasks;

using Microsoft.AspNetCore.Mvc;

using Microsoft.Extensions.Logging;

using MyMVC.Models;

```
namespace MyMVC.Controllers
{
    public class HomeController : Controller
    {
        public async Task <ActionResult> Index()
        {
            var model= new StockQuote{ Symbol='HLLO', Price=3200};
            return View(model);
        }
    }
}
```

10) Now run the project using dotnet run

```
Command Prompt - dotnet run

D:\MyMVC>dotnet run
Controllers\HomeController.cs(15,43): warning CS1998: This async method lacks 'await' operators and will
run synchronously. Consider using the 'await' operator to await non-blocking API calls, or 'await Task.Run(
n(...))' to do CPU-bound work on a background thread. [D:\MyMVC\MyMVC.csproj]
info: Microsoft.Hosting.Lifetime[0]
      Now listening on: https://localhost:5001
info: Microsoft.Hosting.Lifetime[0]
      Now listening on: http://localhost:5000
info: Microsoft.Hosting.Lifetime[0]
      Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
      Hosting environment: Development
info: Microsoft.Hosting.Lifetime[0]
      Content root path: D:\MyMVC
```

11) Now go back to browser and refresh to get modified view response

