

PRACTICAL 1

Aim: Create new ASP.NET Core MVC project using each of the following

1. Terminal

2. VS Code

• **Set the HTTP port 5000 and HTTPS port 5001**

• **Run the above created project using:**

1. Terminal

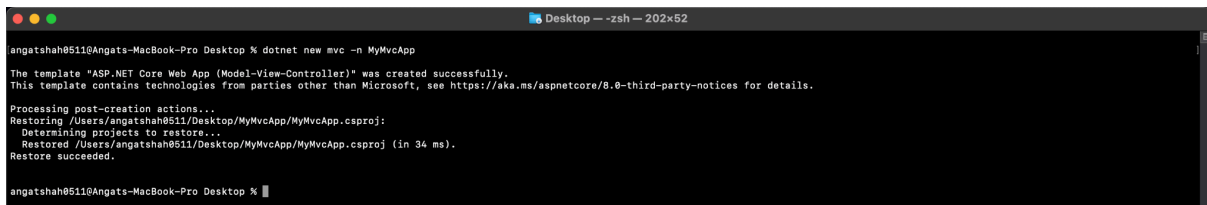
2. VS Code

Steps:

Creating a New ASP.NET Core MVC Project

Using Terminal

1. Open the terminal.
2. Navigate to the directory where you want to create your project.
3. Run the following command to create a new ASP.NET Core MVC project:



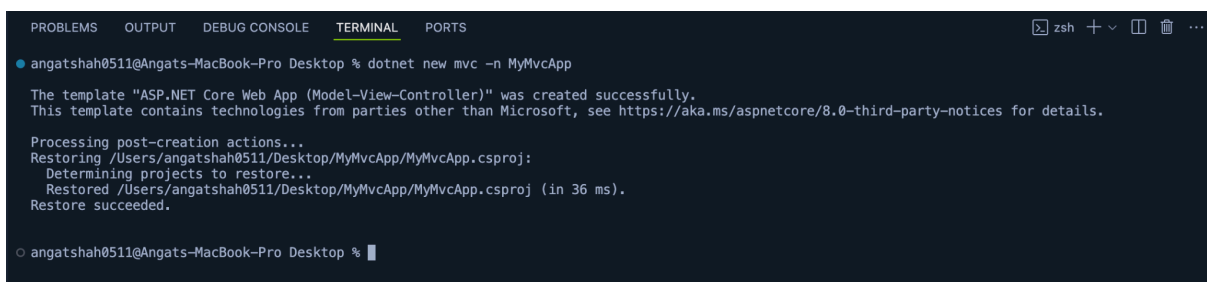
```
angatshah0511@Angats-MacBook-Pro Desktop % dotnet new mvc -n MyMvcApp
The template "ASP.NET Core Web App (Model-View-Controller)" was created successfully.
This template contains technologies from parties other than Microsoft, see https://aka.ms/aspnetcore/8.0-third-party-notices for details.

Processing post-creation actions...
Restoring /Users/angatshah0511/Desktop/MyMvcApp/MyMvcApp.csproj:
  Determining projects to restore...
  Restored /Users/angatshah0511/Desktop/MyMvcApp/MyMvcApp.csproj (in 34 ms).
Restore succeeded.

angatshah0511@Angats-MacBook-Pro Desktop %
```

Using VS Code

1. Open Visual Studio Code.
2. Open the terminal in Visual Studio Code.
3. Navigate to the directory where you want to create your project.
4. Run the following command to create a new ASP.NET Core MVC project:



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
● angatshah0511@Angats-MacBook-Pro Desktop % dotnet new mvc -n MyMvcApp
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/8.0-third-party-notices for details.

Processing post-creation actions...
Restoring /Users/angatshah0511/Desktop/MyMvcApp/MyMvcApp.csproj:
  Determining projects to restore...
  Restored /Users/angatshah0511/Desktop/MyMvcApp/MyMvcApp.csproj (in 36 ms).
Restore succeeded.

○ angatshah0511@Angats-MacBook-Pro Desktop %
```

Setting the HTTP and HTTPS Ports

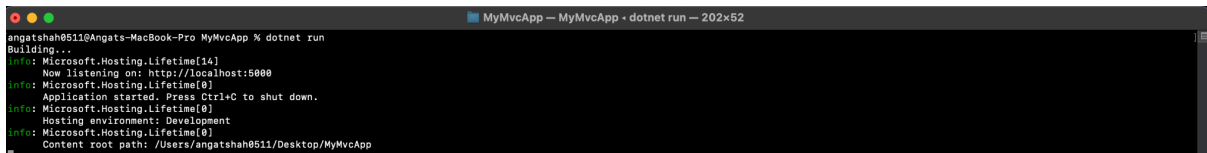
1. Open the 'launchSetting.json' file located in the 'Properties' folder of the project.
2. Update the 'launchSettings.json' file to set the HTTP port to 5000 and the HTTPS port to 5001:

```
11  "profiles": {  
12    "http": {  
13      "commandName": "Project",  
14      "dotnetRunMessages": true,  
15      "launchBrowser": true,  
16      "applicationUrl": "http://localhost:5000",  
17      "environmentVariables": {  
18        "ASPNETCORE_ENVIRONMENT": "Development"  
19      }  
20    },  
21    "https": {  
22      "commandName": "Project",  
23      "dotnetRunMessages": true,  
24      "launchBrowser": true,  
25      "applicationUrl": "https://localhost:7154;http://localhost:5000",  
26      "environmentVariables": {  
27        "ASPNETCORE_ENVIRONMENT": "Development"  
28      }  
29    }  
30  }
```

Running The Project

Using Terminal

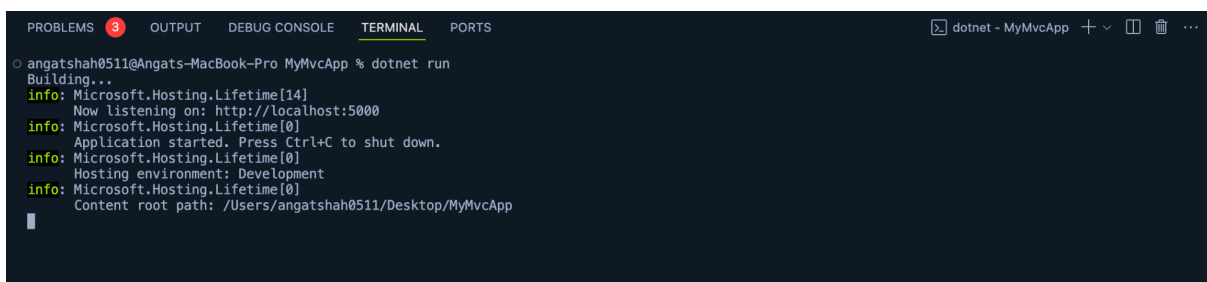
1. Open the terminal.
2. Navigate to the project directory ('MyMvcApp').
3. Run the project using the following command: dotnet run
4. Open your web browser and navigate to '<http://localhost:5000>' or '<https://localhost:5001>'



```
angatshah0511@Angats-MacBook-Pro MyMvcApp % dotnet run  
Building...  
info: Microsoft.Hosting.Lifetime[14]  
      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: /Users/angatshah0511/Desktop/MyMvcApp
```

Using VS Code

1. Open the project directory ('MyMvcApp') in Visual Studio Code.
2. Open the terminal in Visual Studio Code.
3. Run the project using the following command: dotnet run
4. Open your web browser and navigate to '<http://localhost:5000>'



```
PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS dotnet - MyMvcApp + - -  
o angatshah0511@Angats-MacBook-Pro MyMvcApp % dotnet run  
Building...  
info: Microsoft.Hosting.Lifetime[14]  
      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: /Users/angatshah0511/Desktop/MyMvcApp
```

