**Practical No: 2**

**Date: 21/03/2023**

**Aim: Building First ASP.NET MVC App**

**Description:**

Give Overview of MVC Model

**Code & Output:**

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

Text

Description automatically generated

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

Text

Description automatically generated

Graphical user interface, text

Description automatically generated

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

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 <IActionResult> Index()

{

var model= new StockQuote{ Symbol='HLLO', Price=3200};

return View(model);

}

}

}

10)Now run the project using

dotnet run

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

Graphical user interface, text, application

Description automatically generated

PRACTICE TASK WITH NAME AND ROLL NUMBER

CODE :

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:

Text

Description automatically generated

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

5)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 Name {get;set;}

public int RollNo {get;set;}

}

}

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

@{

ViewData["Title"] = "Home Page";

}

<div>

Name: @Model. Name <br/>

RollNo: $@Model. RollNo <br/>

</div>

7)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 <IActionResult> Index()

{

var model= new StockQuote{ Name =”Ninad”, RollNo=1012};

return View(model);

}

}

}

8)Now run the project using

dotnet run

Text

Description automatically generated

Graphical user interface, text, application

Description automatically generated