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| A picture containing drawing, stop, room  Description automatically generated | Microservices Architecture  Practical # 2 | | |
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| **Name** | Ninad Karlekar | **Roll Number** | 22306A1012 |
| **Subject/Course:** | Microservices Architecture | **Class** | M.Sc. IT – Sem II |
| **Topic** | Building First ASP.NET MVC App | **Batch** | 1 |
|  |  |  |  |
| **Topic: Building First ASP.NET MVC App** | | | |
| **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   1. **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"; }  }  }   1. Run the project   Text  Description automatically generated  Graphical user interface, text  Description automatically generated   1. Now go back to command prompt and stop running project using CTRL+C 2. 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;}  }  }   1. 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>   1. 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);  }  }  }   1. Now run the project using   dotnet run   1. Now go back to browser and refresh to get modified view responseGraphical 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   1. Go to controllers folder and modify HomeController.cs file to match following: 2. 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;}  }  }   1. 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>   1. 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);  }  }  }   1. Now run the project using   dotnet run Text  Description automatically generated  Graphical user interface, text, application  Description automatically generated | | | |