

[illegible]

```
41         *   ContentType: Gets or sets Content-type header of response. This accepts valid MIME types like text/plain, text/html.
42         *   StatusCode: Gets or sets HTTP Status Code.
43         */
44     } //About()
45 } //HomeController
46 } //namespace
```

```
1 using Microsoft.AspNetCore.Mvc;
2 using System;
3 using System.Collections.Generic;
4 using System.Linq;
5 using System.Threading.Tasks;
6
7 //Created by Dr. Paravastu
8 //22222222222222222222222222222222
9 //Product controller is in the same folder as the HomeController.
10 //Once done writing the controllers, you will need to add the route maps
    in program.cs.
11
12 namespace Routing_Example.Controllers
13 {
14     public class ProductController : Controller
15     {
16         public IActionResult Detail(int id)
17         {
18             //variables
19             string controllerName = this.GetType().Name; //controller
20             string requestMethod = HttpContext.Request.Method; //incoming
21             string path = HttpContext.Request.Path; //Path or incoming
22             //navigation link for the destination view to navigate back
23             string navLink = "<p><a href='/'>Home</a></p>";
24             return Content($"Controller {controllerName}, Request method
                is: {requestMethod}: URL is: {path} {navLink}", "text/
                html");
25         }
26         public IActionResult List(string cat)
27         {
28             string controllerName = this.GetType().Name;
29             string requestMethod = HttpContext.Request.Method;
30             string path = HttpContext.Request.Path;
31             string navLink = "<p><a href='/'>Home</a></p>";
32             return Content($"Controller {controllerName}, Request method
                is: {requestMethod}: URL is: {path} {navLink}", "text/
                html");
33         }
34     }
35 }
36
```

```
1 using Microsoft.AspNetCore.Mvc;
2 //Created by Dr. Paravastu
3 //33333333333333333333333333333333
4 //Sales controller is created inside Controllers/Sales folder.
5 //Once done writing the controllers, you will need to add the route maps
  in program.cs.
6 namespace Routing_Example.Controllers.Sales
7 {
8     public class SalesController : Controller
9     {
10         public IActionResult Details()
11         {
12             //variables
13             string controllerName = this.GetType().Name;//controller
              name,
14             string requestMethod = HttpContext.Request.Method;//incoming
              method (whether post or get)
15             string path = HttpContext.Request.Path;//Path or incoming
              URL
16             //navigation link for the destination view to navigate back
              to Home page.
17             string navLink = "<p><a href='/'>Home</a></p>";
18             return Content($"Controller {controllerName}, Request method
              is: {requestMethod}: URL is: {path} {navLink}", "text/
              html");
19         }//Details
20     }
21 }//namesapce
22
```

```
1  @*Created by Dr. Paravastu
2      44444444444444444444444444444444
3  *@
4  @addTagHelper *, Microsoft.AspNetCore.Mvc.TagHelpers
5
```

```
1  @*
2      Created by Dr. Paravastu
3      55555555555555555555555555555555
4      This lab give you an example of routing to different controllers and
        action methods based on the routes configured in program.cs.
5  *@
6  @{
7  }
8  <!DOCTYPE html>
9  <html>
10     <head>
11         <title>Paravastu Routing</title>
12         <meta charset = "utf-8" name="viewport" content="width=device-
            width" />
13
14
15     </head>
16     <body>
17         <h1>Routing - Chapter 5</h1>
18         <p><a href="/">Home</a> || <a asp-controller="Home" asp-action =
            "About">About</a> ||
19             <a asp-controller="Product" asp-action="Detail">Product/
                Detail</a> ||
20             @*<a asp-fragment="Company" asp-controller="Sales" asp-
                action="Details" >Company/Sales/</a>*@
21             <a href = "/Company/Sales/Details" >Company/Sales/</a>
22         </p>
23         <p>Welcome to Routing Home Page!</p>
24
25     </body>
26 </html>
```

```
1 var builder = WebApplication.CreateBuilder(args);
2
3 // Add services to the container.
4 builder.Services.AddControllersWithViews();
5
6 var app = builder.Build();
7
8 // Configure the HTTP request pipeline.
9 if (!app.Environment.IsDevelopment())
10 {
11     app.UseExceptionHandler("/Home/Error");
12     // The default HSTS value is 30 days. You may want to change this
13     // for production scenarios, see https://aka.ms/aspnetcore-hsts.
14 app.UseHsts();
15 }
16 app.UseHttpsRedirection();
17 app.UseStaticFiles();
18
19 app.UseRouting();
20
21 app.UseAuthorization();
22 /*
23 * -----
24 * add these routes to your application inside program.cs file
25 * -----
26 */
27
28 app.MapControllerRoute(
29     name: "category",
30     pattern: "{controller}/{action}/category{cat}");
31 app.MapControllerRoute(
32     name: "default",
33     pattern: "{controller=Home}/{action=Index}/{id?}");
34 app.MapControllerRoute(
35     name: "company",
36     pattern: "Company/{controller}/{action}/{id?}");
37
38 app.Run();
39
```