PRACTICAL 13

Aim: Develop ASP.NET Core MVC application to demonstrate use of ViewData, ViewBag and TempData.

Code:
HomeController.cs : (Controllers / HomeController.cs)

```
using Microsoft.AspNetCore.Mvc;
namespace PRACTICAL13.Controllers {
    public class HomeController : Controller {
        [HttpGet]
        public IActionResult Index() {
            return View();
        }
        [HttpPost]
        public IActionResult Index(string userMessage) {
            ViewData["Message"] = userMessage;
            ViewBag.Greeting = "This is Through 'ViewBag' !";
            TempData["TempMessage"] = "This is a Temporary Message Done Through
'TempData' !";
            return View();
        }
        public IActionResult DisplayData() {
            return View();
        }
    }
}
```

Index.cshtml : (Views / Home / Index.cshtml)

```
@{
    ViewData["Title"] = "Home Page";
}
<h1>ViewData</h1>
<form method="post" asp-action="Index">
    <label for="userMessage">Enter Your Message : </label>
    <input type="text" id="userMessage" name="userMessage" required />
    <button type="submit">Submit</button>
</form><br><br>
@if (ViewData["Message"] != null) {
    <h3>Your Message : </h3>
    <p>@ViewData["Message"]</p>
}
<p>@ViewBag.Greeting</p><br>
```

```
<a asp-controller="Home" asp-action="DisplayData">Go To DisplayData</a>
```

DisplayData.cshtml : (Views / Home / DisplayData.cshtml)

```
@{
    ViewData["Title"] = "Display Data";
}
<h1>Display Data</h1>
<p>@TempData["TempMessage"]</p>
<a asp-controller="Home" asp-action="Index">Back to Index</a>
```

Output: