Index.cshtml:

```
@{
    ViewData["Title"] = "Home Page";
}
@model List<Student>;

<table border="1">
    <thead>
        <th>Id</th>
        <th>Name</th>
        <th>Department</th>
    </thead>
    <tbody>
        @foreach(var students in Model)
        {
            <tr>
            <td>@students.Id</td>
            <td>@students.Name</td>
            <td>@students.Department</td>
            </tr>
        }
    </tbody>
</table>
```

Student Repository.cs:

```
namespace WebApplication5.Models
{
    public class StudentRepository
    {
        public static List<Student> students = new List<Student>()
        {
            new Student { Id=1, Name="Mim" , Department="cse"},
            new Student { Id=2, Name="Mun" , Department="cse"}
        };
    }
}
```

HomeController.cs:

```
using Microsoft.AspNetCore.Mvc;
using System.Diagnostics;
using WebApplication5.Models;

namespace WebApplication5.Controllers
{
    public class HomeController : Controller
    {
        private readonly ILogger<HomeController> _logger;

        public HomeController(ILogger<HomeController> logger)
        {
            _logger = logger;
        }

        public IActionResult Index()
```

```
        {
            return View(StudentRepository.students);
        }

        public IActionResult Privacy()
        {
            return View();
        }

        [ResponseCache(Duration = 0, Location = ResponseCacheLocation.None,
NoStore = true)]
        public IActionResult Error()
        {
            return View(new ErrorViewModel { RequestId = Activity.Current?.Id ??
HttpContext.TraceIdentifier });
        }
    }
}
```
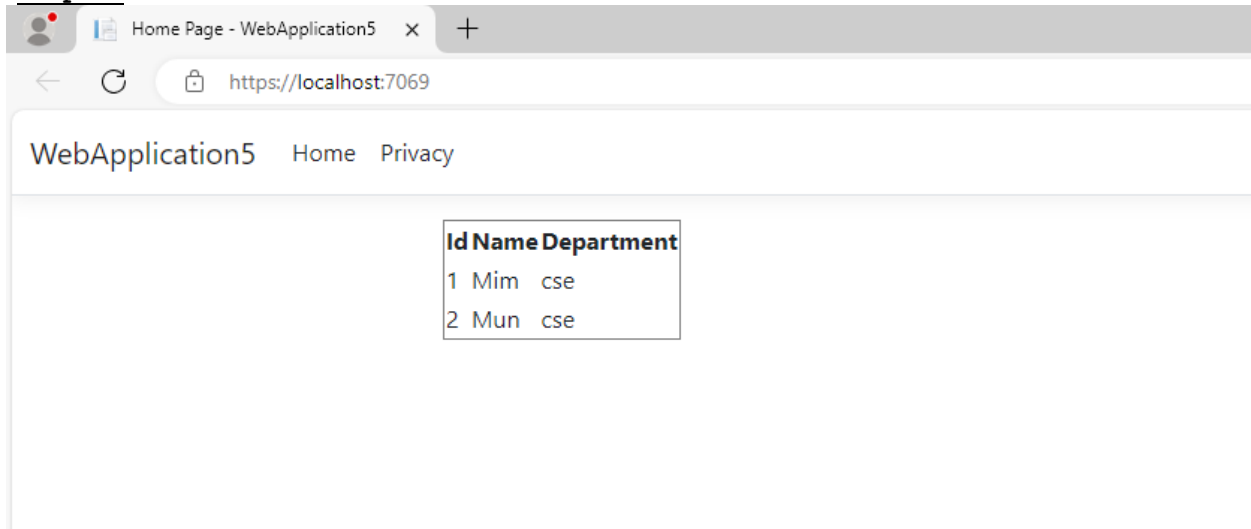
Student.cs:

```
namespace WebApplication5.Models
{
    public class Student
    {
        public int Id { get; set; }
        public string Name { get; set; }
        public string Department { get; set; }
    }
}
```

Output:

Add new student:

Create.cshtml:

```html
<html>
    <form method="post">
        <p>Name : <input type ="text" name="Name" /></p>
        <p>Department : <input type="text" name="Department" /></p>
        <button>Save</button>
    </form>
</html>
```

Index.cshtml:

```html
@{
    ViewData["Title"] = "Home Page";
}
@model List<Student>;
<a href="Home/Create">Click for add new student</a> //CALL CREATE () METHOD

<table border="1">
    <thead>
        <th>Id</th>
        <th>Name</th>
        <th>Department</th>
    </thead>
    <tbody>
        @foreach(var students in Model)
        {
            <tr>
            <td>@students.Id</td>
            <td>@students.Name</td>
            <td>@students.Department</td>
            </tr>
        }
    </tbody>
</table>
```

HomeController.cs:

```csharp
using Microsoft.AspNetCore.Mvc;
using System.Diagnostics;
using WebApplication5.Models;

namespace WebApplication5.Controllers
{
    public class HomeController : Controller
    {
        private readonly ILogger<HomeController> _logger;

        public HomeController(ILogger<HomeController> logger)
        {
            _logger = logger;
        }

        public IActionResult Index()
        {

            return View(StudentRepository.students);
```

```csharp
        }
        public IActionResult Create() //GET
        {

            return View();
        }
        [HttpPost]
        public IActionResult Create(Student s) //POST→POST RECEIVE DATA
        {
            s.Id = StudentRepository.students.Count + 1; //UPGRADE ID
            StudentRepository.students.Add(s);
            return RedirectToAction("Index");
        }

        public IActionResult Privacy()
        {
            return View();
        }

        [ResponseCache(Duration = 0, Location = ResponseCacheLocation.None,
NoStore = true)]
        public IActionResult Error()
        {
            return View(new ErrorViewModel { RequestId = Activity.Current?.Id ??
HttpContext.TraceIdentifier });
        }
    }
}
```

Studentrepository and student.cs have no change

WebApplication5   Home   Privacy

Click for add new student

Id	Name	Department
1	Mim	cse
2	Mun	cse
3	lamia	EEE

WebApplication5   Home   Privacy

Name : [   ]

Department : [   ]

[Save]