

Day 5  
Dharunya

[Program.cs](#)

```
using WebApplication3.Data;

var builder = WebApplication.CreateBuilder(args);

// Add services to the container.
builder.Services.AddDbContext<DemoDharunyaContext>();
builder.Services.AddControllersWithViews();

var app = builder.Build();

// Configure the HTTP request pipeline.
if (!app.Environment.IsDevelopment())
{
    app.UseExceptionHandler("/Home/Error");
    app.UseHsts();
}
app.UseStaticFiles();

app.UseRouting();

app.UseAuthorization();

app.MapControllerRoute(
    name: "default",
    pattern: "{controller=Home}/{action=Index}/{id?}");

app.Run();
```

[HomeController.cs](#)

```
using Microsoft.AspNetCore.Mvc;
using System;
using System.Diagnostics;
using WebApplication3.Data;
using WebApplication3.Models;

namespace WebApplication3.Controllers
{
    public class HomeController : Controller
    {
        private readonly ILogger<HomeController> _logger;
        private DemoDharunyaContext appDbContext;
```

```

    public HomeController(ILogger<HomeController> logger,DemoDharunyaContext
_appDbContext)
    {

        _logger = logger;
        appDbContext = _appDbContext;
    }

    public IActionResult Index()
    {
        var trees = appDbContext.Trees.ToList();

        return View(trees);
    }

    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 });
    }
}

```

Index.csHtml

@model List<Tree>

@{

     ViewData["Title"] = "Home Page";

}

<div class="text-center">

    <h1 class="display-4">Welcome</h1>

    <a class="btn btn-primary" asp-action="Index" asp-controller="Tree">Navigate tree  
page</a>

</div>

<h2>Tree List</h2>

```
@if (Model != null && Model.Any())
{
    <ul>
        @foreach (var tree in Model)
        {
            <li>
                <strong>@tree.Name</strong> – @tree.Description
                (No. of trees: @tree.NoOfTrees)
            </li>
        }
    </ul>
}
else
{
    <p>No trees found.</p>
}
```

Output:

## Tree List

- **Banyan** – National (No. of trees: 7)
- **coconut tree** – tall (No. of trees: 7)