```csharp
namespace modul7_kelompok7
{
    0 changes | 0 authors, 0 changes
    class Program
    {
        0 changes | 0 authors, 0 changes
        static async Task Main(string[] args)
        {

            var projectRoot = Directory.GetParent(AppContext.BaseDirectory).Parent.Parent.FullName;
            var jsonFolderPath = Path.Combine(projectRoot, "JSON");


            var pathMahasiswa = Path.Combine(jsonFolderPath, "jurnal7_1_103022300107.json");
            var mahasiswaReader = new DataMahasiswa1030223000107();
            await mahasiswaReader.ReadJsonAsync(pathMahasiswa);

            Console.WriteLine("\n==============================\n");


            var pathMembers = Path.Combine(jsonFolderPath, "jurnal7_2_103022300107.json");
            var memberReader = new TeamMembers103022300107();
            await memberReader.ReadJSON(pathMembers);

            Console.WriteLine("\n==============================\n");

            // Baca data glossary
            var pathGlossary = Path.Combine(jsonFolderPath, "jurnal7_3_103022300107.json");
```

aryItem103022300107.cs   **Program.cs** ☐ ✕   TeamMembers1...022300107.cs   DataMahasisw...3022300107.cs   modul7_kelompok7 ☐ ✕ ▾ ⚙   Diagnostic To
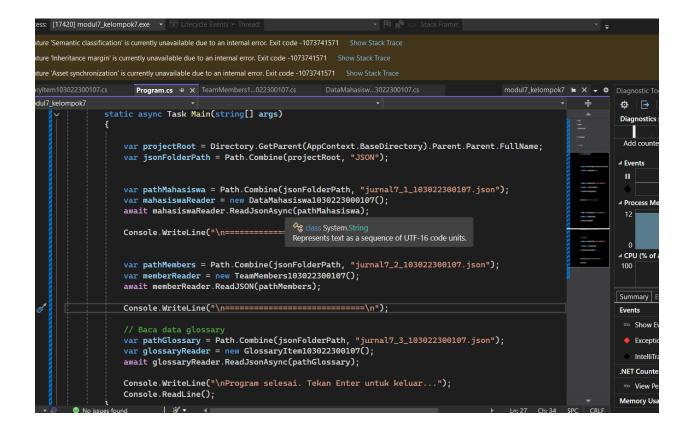
```csharp
static async Task Main(string[] args)
{

    var projectRoot = Directory.GetParent(AppContext.BaseDirectory).Parent.Parent.FullName;
    var jsonFolderPath = Path.Combine(projectRoot, "JSON");


    var pathMahasiswa = Path.Combine(jsonFolderPath, "jurnal7_1_103022300107.json");
    var mahasiswaReader = new DataMahasiswa1030223000107();
    await mahasiswaReader.ReadJsonAsync(pathMahasiswa);

    Console.WriteLine("\n=============    class System.String
                                      Represents text as a sequence of UTF-16 code units.

    var pathMembers = Path.Combine(jsonFolderPath, "jurnal7_2_103022300107.json");
    var memberReader = new TeamMembers103022300107();
    await memberReader.ReadJSON(pathMembers);

    Console.WriteLine("\n==============================\n");

    // Baca data glossary
    var pathGlossary = Path.Combine(jsonFolderPath, "jurnal7_3_103022300107.json");
    var glossaryReader = new GlossaryItem103022300107();
    await glossaryReader.ReadJsonAsync(pathGlossary);

    Console.WriteLine("\nProgram selesai. Tekan Enter untuk keluar...");
    Console.ReadLine();
}
```

No issues found   Ln: 27   Ch: 34   SPC   CRLF

```csharp
var pathMahasiswa = Path.Combine(jsonFolderPath, "jurnal7_1_103022300107.json");
var mahasiswaReader = new DataMahasiswa1030223000107();
await mahasiswaReader.ReadJsonAsync(pathMahasiswa);

Console.WriteLine("\n==============================\n");


var pathMembers = Path.Combine(jsonFolderPath, "jurnal7_2_103022300107.json");
var memberReader = new TeamMembers103022300107();
await memberReader.ReadJSON(pathMembers);

Console.WriteLine("\n==============================\n");

// Baca data glossary
var pathGlossary = Path.Combine(jsonFolderPath, "jurnal7_3_103022300107.json");
var glossaryReader = new GlossaryItem103022300107();
await glossaryReader.ReadJsonAsync(pathGlossary);

Console.WriteLine("\nProgram selesai. Tekan Enter untuk keluar...");
Console.ReadLine();
            }
        }
    }
```

No issues found   Ln: 39   Ch: 1   SPC   CRLF

```csharp
    public class TeamMembers103022300107
    {
        public async Task ReadJSON(string filePath)
        {
            try
            {
                using FileStream openStream = File.OpenRead(filePath);
                var membersList = await JsonSerializer.DeserializeAsync<MembersList>(openStream);

                if (membersList != null && membersList.members != null)
                {
                    Console.WriteLine("Daftar anggota kelompok:");
                    foreach (var member in membersList.members)
                    {
                        Console.WriteLine($"{member.firstName} {member.lastName} - {member.gender} - {me
                    }
                }
            }
            catch (Exception ex)
            {
                Console.WriteLine($"JSON error: {ex.Message}");
            }
        }
    }
}
```

```csharp
using System;
using System.Collections.Generic;
using System.IO;
using System.Text.Json;
using System.Threading.Tasks;

namespace modul7_kelompok7
{
    public class Address
    {
        public string streetAddress { get; set; }
        public string city { get; set; }
        public string state { get; set; }
    }

    public class Course
    {
        public string code { get; set; }
        public string name { get; set; }
    }

    public class Mahasiswa
    {
        public string firstName { get; set; }
        public string lastName { get; set; }
        public string gender { get; set; }
        public int age { get; set; }
        public Address address { get; set; }
```

```csharp
        public class DataMahasiswa1030223000107
        {
            public async Task<Mahasiswa> ReadJsonAsync(string filePath)
            {
                try
                {
                    using FileStream openStream = File.OpenRead(filePath);
                    var mahasiswa = await JsonSerializer.DeserializeAsync<Mahasiswa>(openStream);

                    if (mahasiswa != null)
                    {
                        Console.WriteLine($"Nama: {mahasiswa.firstName} {mahasiswa.lastName}");
                        Console.WriteLine($"Jenis Kelamin: {mahasiswa.gender}");
                        Console.WriteLine($"Umur: {mahasiswa.age}");
                        Console.WriteLine($"Alamat: {mahasiswa.address.streetAddress}, {mahasiswa.address.ci

                        for (int i = 0; i < mahasiswa.courses.Count; i++)
                        {
                            Console.WriteLine($"Mata Kuliah {i + 1}: {mahasiswa.courses[i].code} - {mahasisw
                        }
                    }

                    return mahasiswa;
                }
                catch (Exception ex)
                {
                    Console.WriteLine($"JSON error: {ex.Message}");
```

No issues found   110 %   Ln: 32   Ch: 11   SPC

```csharp
                if (mahasiswa != null)
                {
                    Console.WriteLine($"Nama: {mahasiswa.firstName} {mahasiswa.lastName}");
                    Console.WriteLine($"Jenis Kelamin: {mahasiswa.gender}");
                    Console.WriteLine($"Umur: {mahasiswa.age}");
                    Console.WriteLine($"Alamat: {mahasiswa.address.streetAddress}, {mahasiswa.address.ci

                    for (int i = 0; i < mahasiswa.courses.Count; i++)
                    {
                        Console.WriteLine($"Mata Kuliah {i + 1}: {mahasiswa.courses[i].code} - {mahasisw
                    }
                }

                return mahasiswa;
            }
            catch (Exception ex)
            {
                Console.WriteLine($"JSON error: {ex.Messa
                return null;
            }
        }
    }
}
```

(local variable) ? mahasiswa
Describe with Copilot

```csharp
am openStream = File.OpenRead(filePath);
 = await JsonSerializer.DeserializeAsync<Mahasiswa>(openStream);

!= null)

iteLine($"Nama: {mahasiswa.firstName} {mahasiswa.lastName}");
iteLine($"Jenis Kelamin: {mahasiswa.gender}");
iteLine($"Umur: {mahasiswa.age}");
iteLine($"Alamat: {mahasiswa.address.streetAddress}, {mahasiswa.address.city}, {mahasiswa.address.state}

. = 0; i < mahasiswa.courses.Count; i++)

e.WriteLine($"Mata Kuliah {i + 1}: {mahasiswa.courses[i].code} - {mahasiswa.courses[i].name}");



wa;

x)

.ine($"JSON error: {ex.Message}");
```

OUTPUT

```
Nama: Relingga Aditya
Jenis Kelamin: male
Umur: 20
Alamat: Bojongsoang, Bandung, West Java
Mata Kuliah 1: CRI2C4 - Konstruksi Perangkat Lunak
Mata Kuliah 2: CCK2LAB3 - Kecerdasan Buatan
Mata Kuliah 3: CCK2JAC2 - Proyek Tingkat II
Mata Kuliah 4: CCK2IAB3 - Dasar Jaringan Komputer
Mata Kuliah 5: CCK2HAB4 - Basis Data
Mata Kuliah 6: CCK2FAB4 - Arsitektur dan Desain Perangkat Lunak
Mata Kuliah 7: CCK3JAB2 - Bahasa Inggris: Writing and Speaking

=============================

Daftar anggota kelompok:
Relingga Aditya - male - 20 - 103022300107
Ariq Hisyam Nabil - male - 20 - 103022300034
Ade Fathia Nu Aini Kelies - female - 24 - 103022300134
Muhammad Farras - male - 20 - 103022300042
Nur Ahmadi Aditya Nanda - male - 20 - 103022300042

=============================

Glossary Title: example glossary
GlossDiv Title: S
GlossEntry ID: SGML
GlossTerm: Standard Generalized Markup Language
Definition: A meta-markup language, used to create markup languages such as DocBook.

Program selesai. Tekan Enter untuk keluar...
```