

## JURNAL 7 KPL

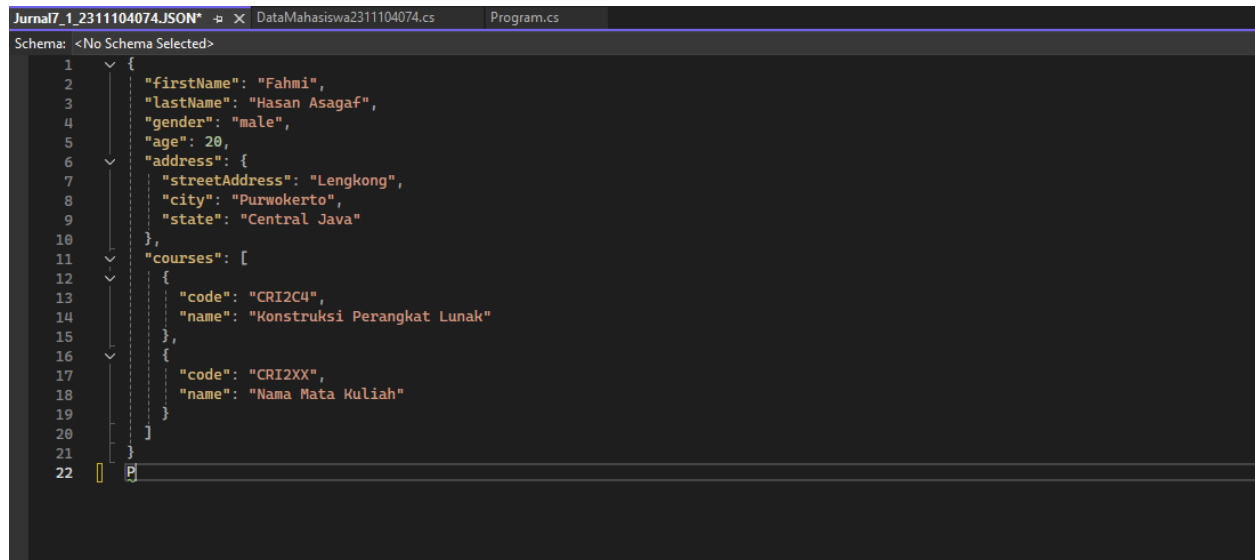
Nama : Fahmi Hasan Asagaf

Nim:2311104074

Link repository:

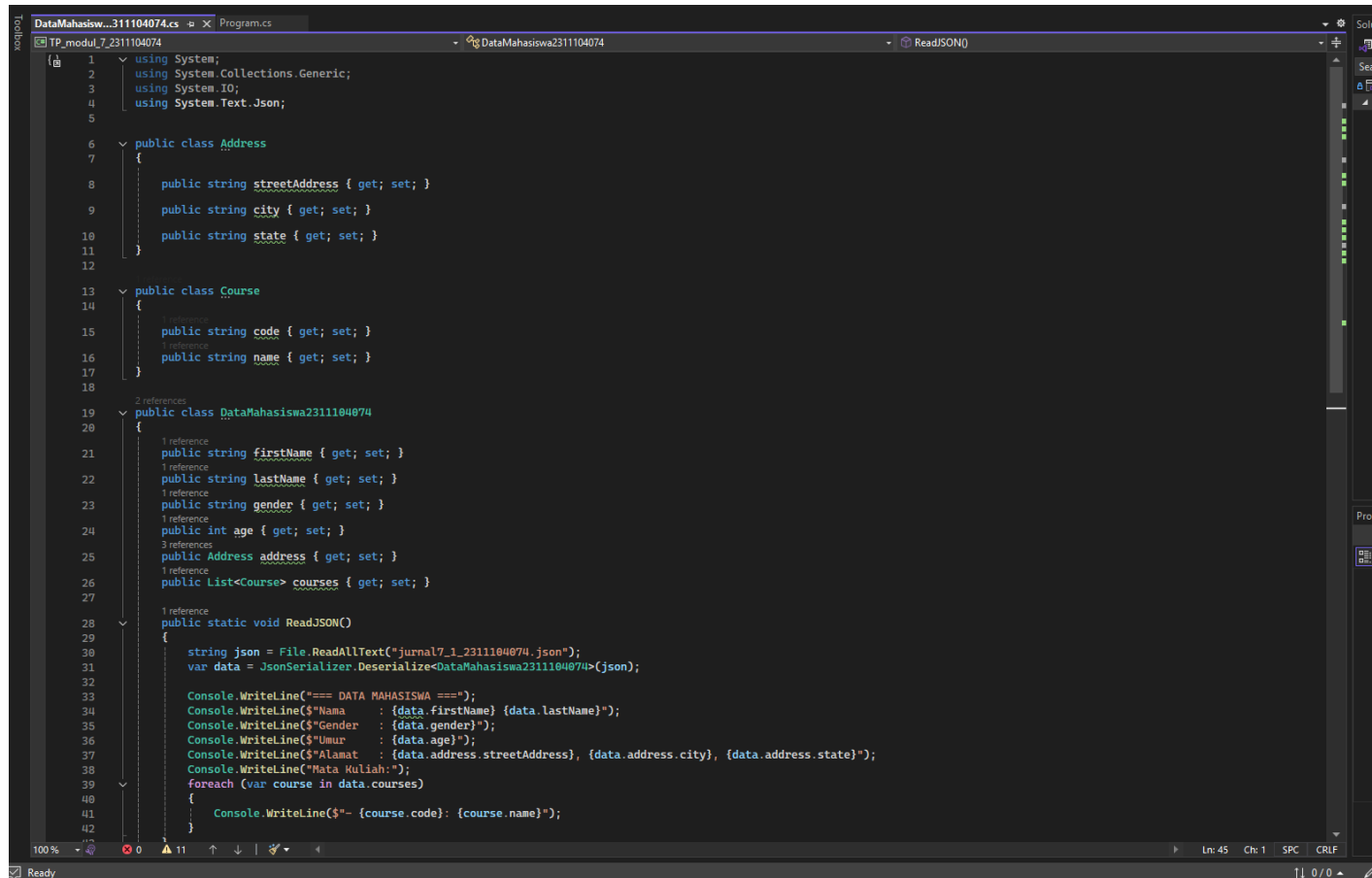
[https://github.com/dimastianaji/modul7\\_kelompok\\_1/tree/fahmi](https://github.com/dimastianaji/modul7_kelompok_1/tree/fahmi)

### File JSON 1

A screenshot of a code editor showing a JSON file named 'Jurnal7\_1\_2311104074.JSON'. The editor has a dark theme and a sidebar on the left with a file explorer showing 'DataMahasiswa2311104074.cs' and 'Program.cs'. The JSON content is as follows:

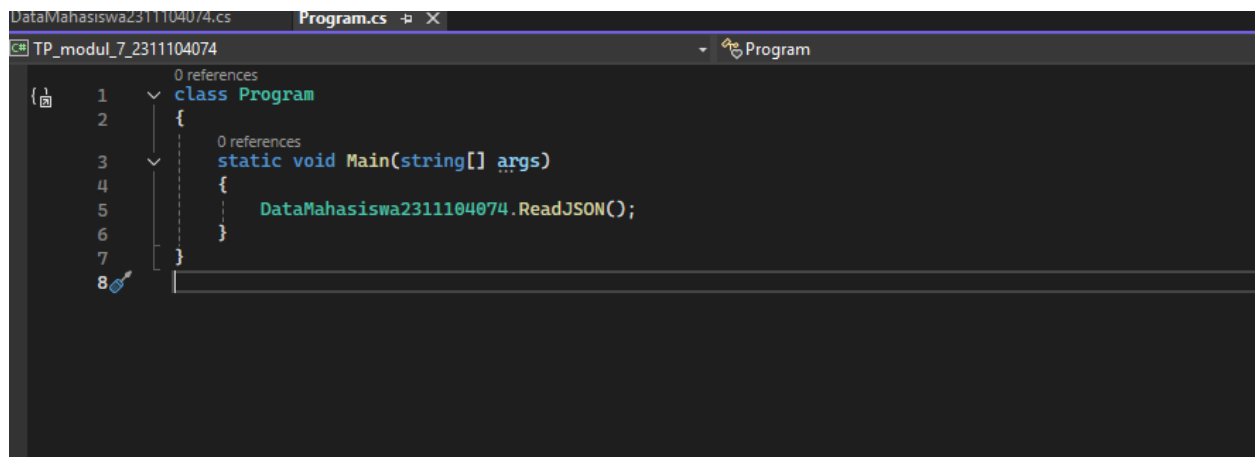
```
1  {
2    "firstName": "Fahmi",
3    "lastName": "Hasan Asagaf",
4    "gender": "male",
5    "age": 20,
6    "address": {
7      "streetAddress": "Lengkong",
8      "city": "Purwokerto",
9      "state": "Central Java"
10   },
11   "courses": [
12     {
13       "code": "CRI2C4",
14       "name": "Konstruksi Perangkat Lunak"
15     },
16     {
17       "code": "CRI2XX",
18       "name": "Nama Mata Kuliah"
19     }
20   ]
21 }
22
```

## Menambahkan Data Mahasiswa 2311104074



```
1 using System;
2 using System.Collections.Generic;
3 using System.IO;
4 using System.Text.Json;
5
6 public class Address
7 {
8     public string streetAddress { get; set; }
9     public string city { get; set; }
10    public string state { get; set; }
11 }
12
13 public class Course
14 {
15     public string code { get; set; }
16     public string name { get; set; }
17 }
18
19 public class DataMahasiswa2311104074
20 {
21     public string firstName { get; set; }
22     public string lastName { get; set; }
23     public string gender { get; set; }
24     public int age { get; set; }
25     public Address address { get; set; }
26     public List<Course> courses { get; set; }
27
28     public static void ReadJSON()
29     {
30         string json = File.ReadAllText("jurnal7_1_2311104074.json");
31         var data = JsonSerializer.Deserialize<DataMahasiswa2311104074>(json);
32
33         Console.WriteLine("=== DATA MAHASISWA ===");
34         Console.WriteLine($"Nama      : {data.firstName} {data.lastName}");
35         Console.WriteLine($"Gender   : {data.gender}");
36         Console.WriteLine($"Umur    : {data.age}");
37         Console.WriteLine($"Alamat  : {data.address.streetAddress}, {data.address.city}, {data.address.state}");
38         Console.WriteLine($"Mata Kuliah:");
39         foreach (var course in data.courses)
40         {
41             Console.WriteLine($"- {course.code}: {course.name}");
42         }
43     }
44 }
```

## Program.cs



```
1 class Program
2 {
3     static void Main(string[] args)
4     {
5         DataMahasiswa2311104074.ReadJSON();
6     }
7 }
8
```

## Output

```
Nama: Fahmi Hasan Asagaf
Gender: male
Age: 20
Alamat: Lengkong, Purwokerto, Central Java
Mata Kuliah:
- CRI2C4: Konstruksi Perangkat Lunak
- CRI2XX: Nama Mata Kuliah

C:\Users\fahmi\modul7_kelompok_1\TP_modul_7_2311104074\TP_modul_7_2311104074\bin\Debug\net8.0\TP_modul_7_2311104074.exe
(process 30328) exited with code 0 (0x0).
Press any key to close this window . . .
```

## Push ke github branch fahmi

```
fahmi@DESKTOP-1BTLV6S MINGW64 ~/modul7_kelompok_1 (fahmi)
$ git add .
git commit -m "final push update source project"
git push origin fahmi
[fahmi f80bf00] final push update source project
19 files changed, 522 insertions(+), 32 deletions(-)
delete mode 100644 TP_modul_7_2311104074/.vs/TP_modul_7_2311104074/FileContentI
ndex/00d76b8a-69a2-4831-9930-70fcc4cb6b29.vsix
create mode 100644 TP_modul_7_2311104074/.vs/TP_modul_7_2311104074/FileContentI
ndex/48ddca5d-b233-4c96-8815-69ac041be050.vsix
create mode 100644 TP_modul_7_2311104074/.vs/TP_modul_7_2311104074/FileContentI
ndex/750d35a4-6a4c-4508-b5b9-dab4a8d457e8.vsix
create mode 100644 TP_modul_7_2311104074/.vs/TP_modul_7_2311104074/FileContentI
ndex/9a99e26a-1cac-4247-9a6c-df2bc883a170.vsix
delete mode 100644 TP_modul_7_2311104074/.vs/TP_modul_7_2311104074/FileContentI
ndex/d964ea04-4dab-4adf-bea7-3d19ca93defc.vsix
create mode 100644 TP_modul_7_2311104074/.vs/TP_modul_7_2311104074/FileContentI
ndex/e0ceb159-7f3b-45cd-a78a-326c55f2fa46.vsix
create mode 100644 TP_modul_7_2311104074/.vs/TP_modul_7_2311104074/FileContentI
ndex/fe95b689-06e4-4999-b9c4-cfa87163bd73.vsix
create mode 100644 TP_modul_7_2311104074/TP_modul_7_2311104074/.gitignore
create mode 100644 TP_modul_7_2311104074/TP_modul_7_2311104074/Jurnal7_1_231110
4074.JSON
Enumerating objects: 44, done.
Counting objects: 100% (44/44), done.
Delta compression using up to 12 threads
Compressing objects: 100% (26/26), done.
Writing objects: 100% (27/27), 33.08 KiB | 4.13 MiB/s, done.
Total 27 (delta 9), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (9/9), completed with 8 local objects.
To https://github.com/dimastianaji/modul7_kelompok_1.git
ff84383..f80bf00 fahmi -> fahmi

fahmi@DESKTOP-1BTLV6S MINGW64 ~/modul7_kelompok_1 (fahmi)
$ |
```