

1. Link github repo

https://github.com/hshinosa/tpmodul7_kelompok_1

2. Kode implementasi

```
KuliahMahasis...001_FARRAS.cs  tp7_2_103022390001.json  DataMahasisw...01_FARRAS.cs  Program.cs  tp7_1_103022390001.json
tpmodul7_kelompok_1  tpmodul7_kelompok_1.DataMahasiswa  ReadJSON()
{
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Text.Json;
6  using System.Threading.Tasks;
7
8  namespace tpmodul7_kelompok_1
9  {
10     2 references
    internal class DataMahasiswa_103022390001_FARRAS
11     {
12         2 references
        public>NamaData nama { get; set; }
13         1 reference
        public int nim { get; set; }
14         1 reference
        public string fakultas { get; set; }
15     }
16
17     1 reference
    class>NamaData
18     {
19         1 reference
        public string depan { get; set; }
20         1 reference
        public string belakang { get; set; }
21     }
22
23 }
```

```
1 reference
public static class DataMahasiswa
{
    1 reference
    public static void ReadJSON()
    {
        string jsonString = File.ReadAllText("C:\\Users\\LENOVO\\tpmodul7_kelompok_1\\tp7_1_1302220079.json");
        DataMahasiswa_103022390001_FARRAS mahasiswa = JsonSerializer.Deserialize<DataMahasiswa_103022390001_FARRAS>(jsonString);
        Console.WriteLine("Nama " + mahasiswa.nama.depan + " " + mahasiswa.nama.belakang + " dengan nim " + mahasiswa.nim + " fakultas " + mahasiswa.fakultas);
    }
}
```

```
{
  "nama": {
    "depan": "Maulana",
    "belakang": "Farras"
  },
  "nim": 103022390001,
  "fakultas": "informatika"
}
```

```
KuliahMahasis...001_FARRAS.cs  tp7_2_103022390001.json  DataMahasisw...001_FARRAS.cs  Program.cs  tp7_1_103022390001.json
tpmodul7_kelompok_1  tpmodul7_kelompok_1.CoursesData  courses
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Text.Json;
6  using System.Threading.Tasks;
7
8  namespace tpmodul7_kelompok_1
9  {
10     2 references
11     class CoursesData
12     {
13         1 reference
14         public List<CourseData> courses { get; set; }
15
16     2 references
17     class CourseData
18     {
19         1 reference
20         public string code { get; set; }
21         1 reference
22         public string name { get; set; }
23
24     1 reference
25     class KuliahMahasiswa
26     {
27         1 reference
28         public static void ReadJSON()
29     }
30 }
```

```
{
    Console.WriteLine("\nDaftar Mata Kuliah yang diambil:");

    string jsonCourses = File.ReadAllText("C:\\Users\\LENOVO\\tpmodul7_kelompok_1\\tp7_2_103022390001.
    CoursesData courses = JsonSerializer.Deserialize<CoursesData>(jsonCourses);

    foreach (CourseData course in courses.courses)
    {
        Console.WriteLine($"MK 1 {course.code} - {course.name}");
    }
}
```

```
KuliahMahasis...001_FARRAS.cs  tp7_2_103022390001.json  DataMahasisw...001_FARRAS.cs  Program.cs  tp7_1_103022390001.json
Schema: <No Schema Selected>
1  {
2  }
3  {
4  }
5  {
6  }
7  {
8  }
9  {
10 }
11 {
12 }
13 {
14 }
15 {
16 }
17 {
18 }
19 {
20 }
21 {
22 }
23 }
24 }
25 }
26 }
```

Penjelasan:

Pada kode implementasi berikut kami memakai cara JSON, dengan menampilkan data mahasiswa dan matakuliahnya.