

Haza Zaidan Zidna Fann

2311104056

SISE 0702

https://github.com/hazazaidan/KPL_Haza_Zaidan_Zidna_Fann_2311104056_SISE0702

membuat branch baru dgn nama haza1,haza2,dan menambahkan hazamain

tambahkan json1



```
1  {
2    "nama": {
3      "depan": "Haza",
4      "belakang": "Fann"
5    },
6    "nim": 2311104056,
7    "fakultas": "informatika"
8  }
9
```

Tambahkan json 2

```
1  {
2    "mata_kuliah": [
3      {
4        "code": "CCK2KAB4",
5        "name": "Konstruksi Perangkat Lunak"
6      },
7      {
8        "code": "CCK2HAB4",
9        "name": "Basis Data"
10     },
11     {
12       "code": "CCK2JAC2",
13       "name": "Proyek Tingkat II"
14     },
15     {
16       "code": "CCK2FAB4",
17       "name": "Arsitektur dan Desain Perangkat Lunak"
18     },
19     {
20       "code": "CCK2GAB3",
21       "name": "Interaksi Manusia dan Komputer"
22     },
23     {
24       "code": "CCK2CAB3",
25       "name": "Pemodelan Perangkat Lunak"
26     },
27     {
28       "code": "CCK1KAB3",
29       "name": "Rekayasa Kebutuhan Perangkat Lunak"
30     }
31   ]
32 }
```

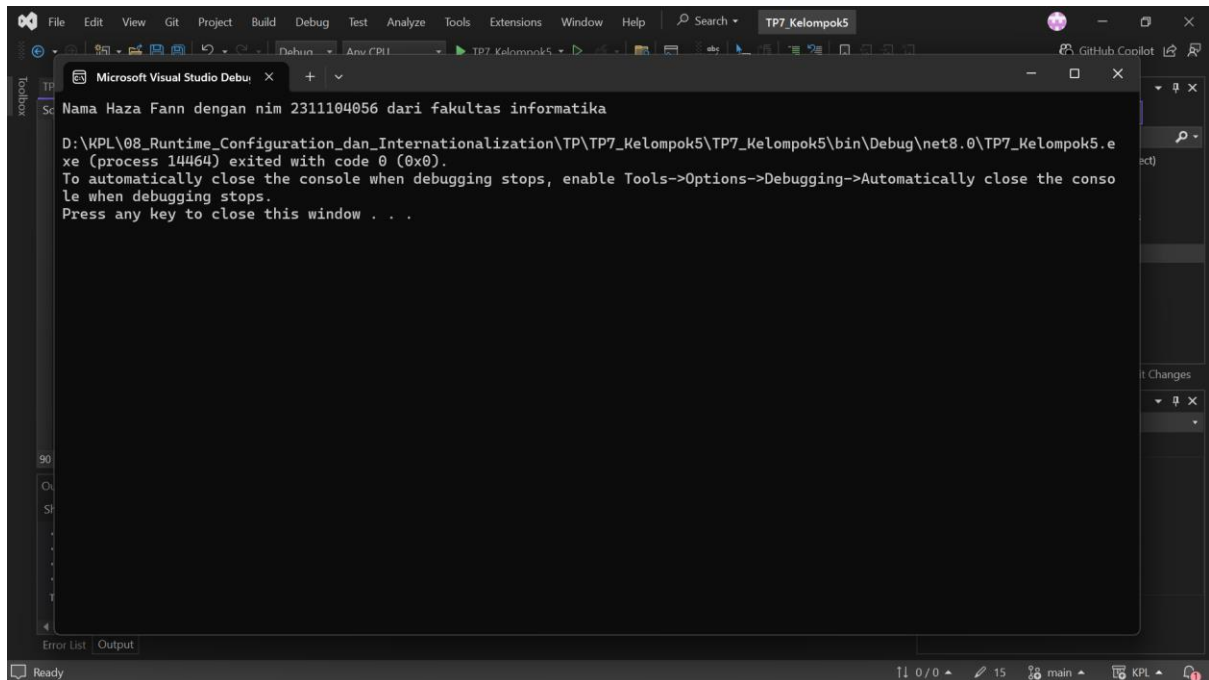
Tambahkan kelas data mahasiswa

```
1 using System;
2 using System.IO;
3 using System.Text.Json;
4
5 namespace TPModul7
6 {
7     public class Nama
8     {
9         public string depan { get; set; }
10        public string belakang { get; set; }
11    }
12
13    public class DataMahasiswa2311104056
14    {
15        public Nama nama { get; set; }
16        public long nim { get; set; }
17        public string fakultas { get; set; }
18
19        public static void ReadJSON()
20        {
21            string filePath = "tp7_1_2311104056.json"; // Ganti sesuai nama file JSON kamu
22            if (!File.Exists(filePath))
23            {
24                Console.WriteLine("File JSON tidak ditemukan.");
25                return;
26            }
27
28            string jsonString = File.ReadAllText(filePath);
29            var data = JsonSerializer.Deserialize<DataMahasiswa2311104056>(jsonString);
30
31            if (data != null)
32            {
33                Console.WriteLine($"Nama {data.nama.depan} {data.nama.belakang} dengan nim {data.nim} dari fakultas {data.fakultas}");
34            }
35            else
36            {
37                Console.WriteLine("Gagal melakukan deserialisasi JSON.");
38            }
39        }
40    }
41 }
42
```

Tambahkan kelas kuliah mahasiswa

```
1  using System;
2  using System.Collections.Generic;
3  using System.IO;
4  using System.Text.Json;
5  using System.Text.Json.Serialization;
6
7  public class KuliahMahasiswa2311104056
8  {
9      [JsonPropertyName("mata_kuliah")]
10     public List<MataKuliah> mata_kuliah { get; set; }
11
12     public class MataKuliah
13     {
14         [JsonPropertyName("code")]
15         public string Code { get; set; }
16
17         [JsonPropertyName("name")]
18         public string Name { get; set; }
19     }
20
21     public static void ReadJSON()
22     {
23         string json = File.ReadAllText("TP7_2_2311104056.json");
24         var data = JsonSerializer.Deserialize<KuliahMahasiswa2311104056>(json);
25
26         Console.WriteLine("Mata kuliah yang diambil:");
27         int i = 1;
28         foreach (var mk in data.mata_kuliah)
29         {
30             Console.WriteLine($"MK {i} {mk.Code} - {mk.Name}");
31             i++;
32         }
33     }
34 }
```

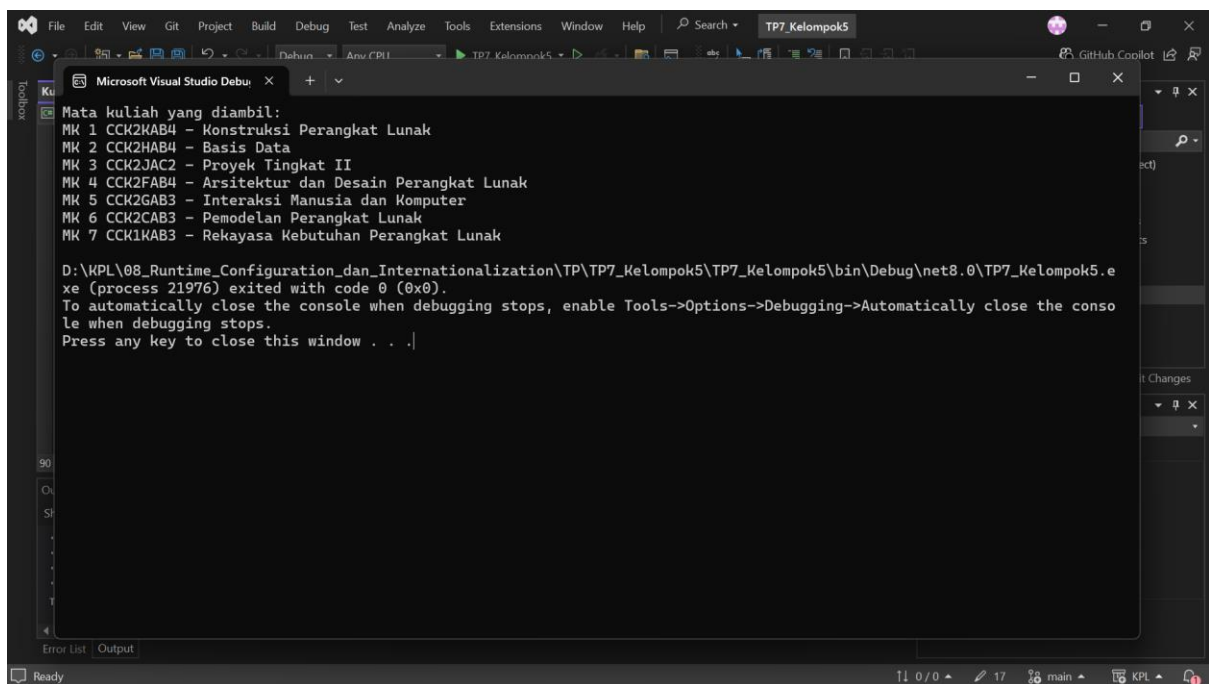
output



The screenshot shows the Microsoft Visual Studio Debug Console window. The output text is as follows:

```
Nama Haza Fann dengan nim 2311104056 dari fakultas informatika  
  
D:\KPL\08_Runtime_Configuration_dan_Internationalization\TP\TP7_Kelompok5\TP7_Kelompok5\bin\Debug\net8.0\TP7_Kelompok5.exe (process 14464) exited with code 0 (0x0).  
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.  
Press any key to close this window . . .
```

The status bar at the bottom indicates the application is 'Ready' and shows '11 0/0' and '15'.



The screenshot shows the Microsoft Visual Studio Debug Console window. The output text is as follows:

```
Mata kuliah yang diambil:  
MK 1 CCK2KAB4 - Konstruksi Perangkat Lunak  
MK 2 CCK2HAB4 - Basis Data  
MK 3 CCK2JAC2 - Proyek Tingkat II  
MK 4 CCK2FAB4 - Arsitektur dan Desain Perangkat Lunak  
MK 5 CCK2GAB3 - Interaksi Manusia dan Komputer  
MK 6 CCK2CAB3 - Pemodelan Perangkat Lunak  
MK 7 CCK1KAB3 - Rekayasa Kebutuhan Perangkat Lunak  
  
D:\KPL\08_Runtime_Configuration_dan_Internationalization\TP\TP7_Kelompok5\TP7_Kelompok5\bin\Debug\net8.0\TP7_Kelompok5.exe (process 21976) exited with code 0 (0x0).  
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.  
Press any key to close this window . . .
```

The status bar at the bottom indicates the application is 'Ready' and shows '11 0/0' and '17'.