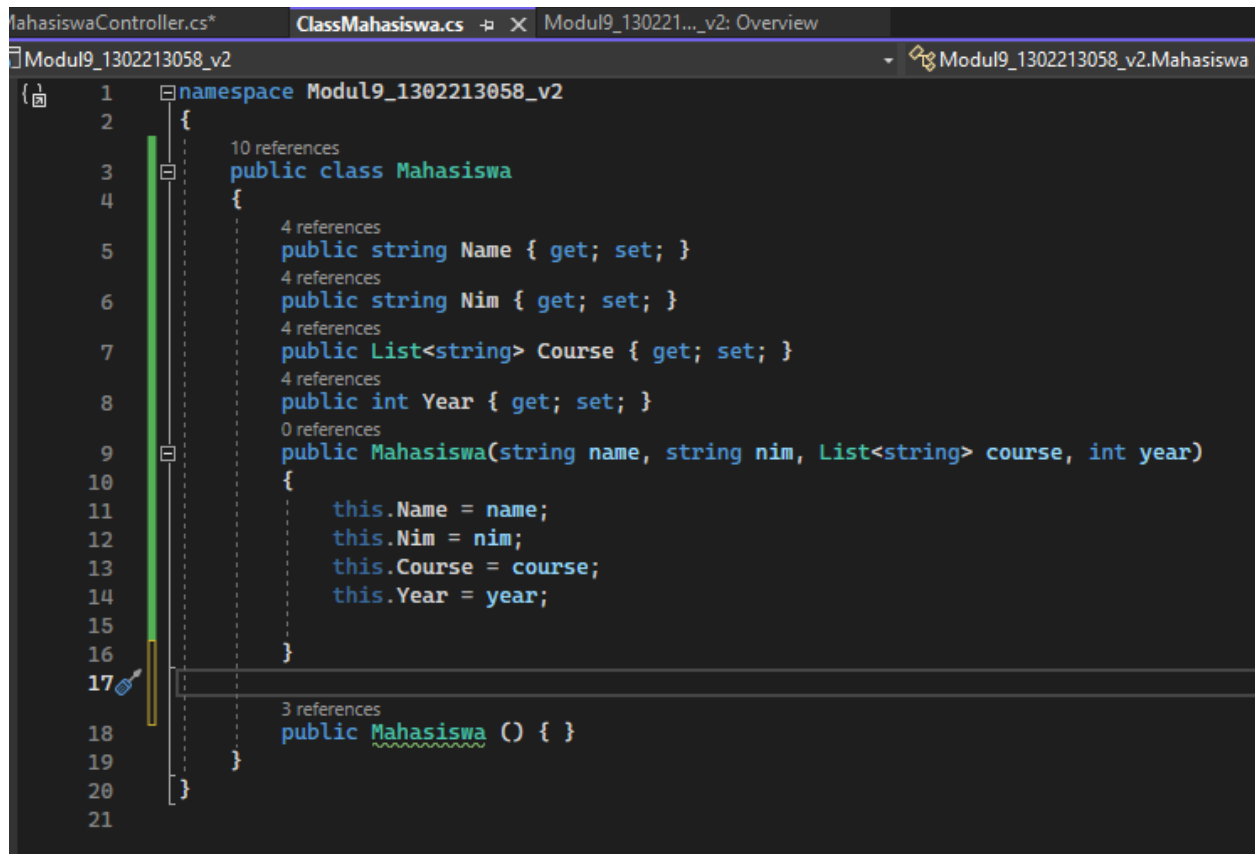


Link github: <https://github.com/Vanzher77/JurnalMOD9>



The screenshot shows a Visual Studio Code editor with a C# file named `MahasiswaController.cs`. The file is open, showing the following code:

```
1 namespace Modul9_1302213058_v2
2 {
3     10 references
4     public class Mahasiswa
5     {
6         4 references
7         public string Name { get; set; }
8         4 references
9         public string Nim { get; set; }
10        4 references
11        public List<string> Course { get; set; }
12        4 references
13        public int Year { get; set; }
14        0 references
15        public Mahasiswa(string name, string nim, List<string> course, int year)
16        {
17            this.Name = name;
18            this.Nim = nim;
19            this.Course = course;
20            this.Year = year;
21        }
22    }
23    3 references
24    public Mahasiswa () { }
```

The class hierarchy diagram on the left shows the following structure:

- `namespace Modul9_1302213058_v2` (10 references)
 - `public class Mahasiswa` (4 references)
 - `public string Name { get; set; }` (4 references)
 - `public string Nim { get; set; }` (4 references)
 - `public List<string> Course { get; set; }` (4 references)
 - `public int Year { get; set; }` (4 references)
 - `public Mahasiswa(string name, string nim, List<string> course, int year)` (0 references)
 - `public Mahasiswa () { }` (3 references)

```
MahasiswaController.cs  ClassMahasiswa.cs  Modul9_130221... v2: Overview
Modul9_1302213058_v2  Modul9_1302213058_v2.Controllers.MahasiswaController  mahasiswa

4  namespace Modul9_1302213058_v2.Controllers
5  {
6      [Route("api/[controller]")]
7      [ApiController]
8      public class MahasiswaController : ControllerBase
9      {
10         public static List<Mahasiswa> mahasiswa = new List<Mahasiswa>
11         {
12             //pada parameter course terdapat array list, saya menggunakan course = new List<string> untuk menginisialisasi sebuah objek List sebelum digunakan
13             new Mahasiswa{Name = "Mochamad Rizky Evan Ramadhan", Nim = "1302213058", Course = new List<string> { "Konstruksi Perangkat Lunak" }, Year = 2021 },
14             new Mahasiswa{Name = "Kamal Maula Azka Shidqi", Nim = "1302210032", Course = new List<string>{ "Basis Data"}, Year = 2022 },
15             new Mahasiswa{Name = "Ignaj nadhif", Nim = "1302213058", Course = new List<string>{ "Pemrograman Berorientasi Objek"}, Year = 2023 }
16         };
17
18         [HttpGet]
19         //membuat output list array dari objek mahasiswa
20         public IEnumerable<Mahasiswa> Get()
21         {
22             return mahasiswa;
23         }
24
25         [HttpPost]
26         //membuat objek mahasiswa baru dan menambahkan objek menyertai nama, nim, matakuliah dan tahun
27         public void post([FromBody] Mahasiswa newMahasiswa)
28         {
29             mahasiswa.Add(newMahasiswa);
30         }
31
32         [HttpGet("index")]
33         //memanggil 1 objek mahasiswa menggunakan index array
34         public Mahasiswa Get(int index)
35         {
36             return mahasiswa[index];
37         }
38
39         [HttpDelete("index")]
40         //menghapus objek mahasiswa sesuai dengan array listnya
41         public void Delete(int index)
42         {
43             mahasiswa.RemoveAt(index);
44         }
45     }
}
```

```
[HttpDelete("index")]
//menghapus objek mahasiswa sesuai dengan array listnya
0 references
public void Delete(int index)
{
    mahasiswa.RemoveAt(index);
}
```

GET/api/Mahasiswa

GET

/api/Mahasiswa

Parameters

Cancel

No parameters

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
'https://localhost:7202/api/Mahasiswa' \
-H 'accept: text/plain'
```

Request URL

```
https://localhost:7202/api/Mahasiswa
```

Server response

Code

Details

200

Response body

```
{
  "name": "Mochamad Rizky Evan Ramadhan",
  "nim": "1302213058",
  "course": [
    "Konstruksi Perangkat Lunak",
    "UX"
  ],
  "year": 2021
},
{
  "name": "Kamal Maula Azka Shidqi",
  "nim": "1302210032",
  "course": [
    "Basis Data",
    "UI"
  ],
  "year": 2022
},
{
  "name": "Ignaj nadhif",
  "nim": "1302213058",
  "course": [
    "Pemrograman Berorientasi Objek",
    "Prototyping"
  ],
  "year": 2023
}
]
```

Download

POST /api/Mahasiswa

POST

/api/Mahasiswa

Parameters

Cancel

Reset

No parameters

Request body

application/json

```
{
  "name": "Rahman Ar rasyid",
  "nim": "1302213088",
  "course": [
    "Tugas Akhir"
  ],
  "year": 2019
}
```

Execute

Clear

Responses

Curl

```
curl -X 'POST' \
  'https://localhost:7202/api/Mahasiswa' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -d '{
    "name": "Rahman Ar rasyid",
    "nim": "1302213088",
    "course": [
      "Tugas Akhir"
    ],
    "year": 2019
  }'
```

Request URL

GET/api/mahasiswa (Mengecek Kembali)

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:7202/api/Mahasiswa' \
  -H 'accept: text/plain'
```

Request URL

```
https://localhost:7202/api/Mahasiswa
```

Server response

Code

Details

200

Response body

```
[
  {
    "name": "Mochamad Rizky Evan Ramadhan",
    "nim": "1302213058",
    "course": [
      "Konstruksi Perangkat Lunak",
      "UX"
    ],
    "year": 2021
  },
  {
    "name": "Kamal Maula Azka Shidqi",
    "nim": "1302210032",
    "course": [
      "Basis Data",
      "UI"
    ],
    "year": 2022
  },
  {
    "name": "Ignaj nadhif",
    "nim": "1302213058",
    "course": [
      "Pemrograman Berorientasi Objek",
      "Proting"
    ],
    "year": 2023
  },
]
```



Download

Response headers

```
content-type: application/json; charset=utf-8
date: Tue, 18 Apr 2023 09:23:41 GMT
server: Kestrel
```

Responses

```
},
{
  "name": "Kamal Maula Azka Shidqi",
  "nim": "1302210032",
  "course": [
    "Basis Data",
    "UI"
  ],
  "year": 2022
},
{
  "name": "Ignaj nadhif",
  "nim": "1302213058",
  "course": [
    "Pemrograman Berorientasi Objek",
    "Proting"
  ],
  "year": 2023
},
{
  "name": "Rahman Ar rasyid",
  "nim": "1302213088",
  "course": [
    "Tugas Akhir"
  ],
  "year": 2019
}
]
```



Download

GET/api/Mahasiswa/index

GET

/api/Mahasiswa/index

Parameters

Cancel

Name	Description
index	
integer(\$int32)	3
(query)	

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
'https://localhost:7202/api/Mahasiswa/index?index=3' \
-H 'accept: text/plain'
```

Request URL

```
https://localhost:7202/api/Mahasiswa/index?index=3
```

Server response

Code	Details
200	<div><div>Response body</div><div><pre>{ "name": "Rahman Ar rasyid", "nim": "1302213088", "course": ["Tugas Akhir"], "year": 2019 }</pre></div><div><div></div><div>Download</div></div></div> <div>Response headers</div>

DELETE /api/Mahasiswa/index

DELETE /api/Mahasiswa/index

Parameters Cancel

Name	Description
index	
integer(\$int32)	1
(query)	

Execute Clear

Responses

Curl

```
curl -X 'DELETE' \
'https://localhost:7202/api/Mahasiswa/index?index=1' \
-H 'accept: */*'
```

GET/api/mahasiswa (mengecek Kembali GET)

Responses

Curl

```
curl -X 'GET' \
'https://localhost:7202/api/Mahasiswa' \
-H 'accept: text/plain'
```

Request URL

```
https://localhost:7202/api/Mahasiswa
```

Server response

Code	Details
200	<div>Response body</div> <pre>[{ "name": "Mochamad Rizky Evan Ramadhan", "nim": "1302213058", "course": ["Konstruksi Perangkat Lunak", "UX"], "year": 2021 }, { "name": "Ignaj nadhif", "nim": "1302213058", "course": ["Pemrograman Berorientasi Objek", "Proting"], "year": 2023 }, { "name": "Rahman Ar rasyid", "nim": "1302213088", "course": ["Tugas Akhir"], "year": 2019 }]</pre> <div>Download</div>

Response headers