index.js

```javascript
const express = require('express');
const app = express();
const port = 3000;

app.use(express.json());

// List Mahasiswa default (anggota kelompok misalnya)
let mahasiswaList = [
    {
        name: "Isabelle Putri",
        nim: "2311104030",
        course: ["KPL", "ADPL", "Basis Data"],
        year: 2022
    },
    {
        name: "Budi Santoso",
        nim: "2311104021",
        course: ["KPL", "Kalkulus", "PBO"],
        year: 2022
    },
    {
        name: "Siti Aminah",
        nim: "2311104032",
        course: ["ADPL", "IMK", "Metodologi Penelitian"],
        year: 2022
    }
];

// GET semua mahasiswa
app.get('/api/Mahasiswa', (req, res) => {
    res.json(mahasiswaList);
});
```

```javascript
// GET mahasiswa by index
app.get('/api/Mahasiswa/:id', (req, res) => {
    const id = parseInt(req.params.id);
    if (id >= 0 && id < mahasiswaList.length) {
        res.json(mahasiswaList[id]);
    } else {
        res.status(404).json({ message: 'Mahasiswa tidak ditemukan' });
    }
});

// POST tambah mahasiswa baru
app.post('/api/Mahasiswa', (req, res) => {
    const mahasiswaBaru = req.body;
    mahasiswaList.push(mahasiswaBaru);
    res.status(201).json(mahasiswaBaru);
});

// DELETE mahasiswa by index
app.delete('/api/Mahasiswa/:id', (req, res) => {
    const id = parseInt(req.params.id);
    if (id >= 0 && id < mahasiswaList.length) {
        const deleted = mahasiswaList.splice(id, 1);
        res.json(deleted[0]);
    } else {
        res.status(404).json({ message: 'Mahasiswa tidak ditemukan' });
    }
});

app.listen(port, () => {
    console.log(`API Mahasiswa aktif di http://localhost:${port}`);
});
```
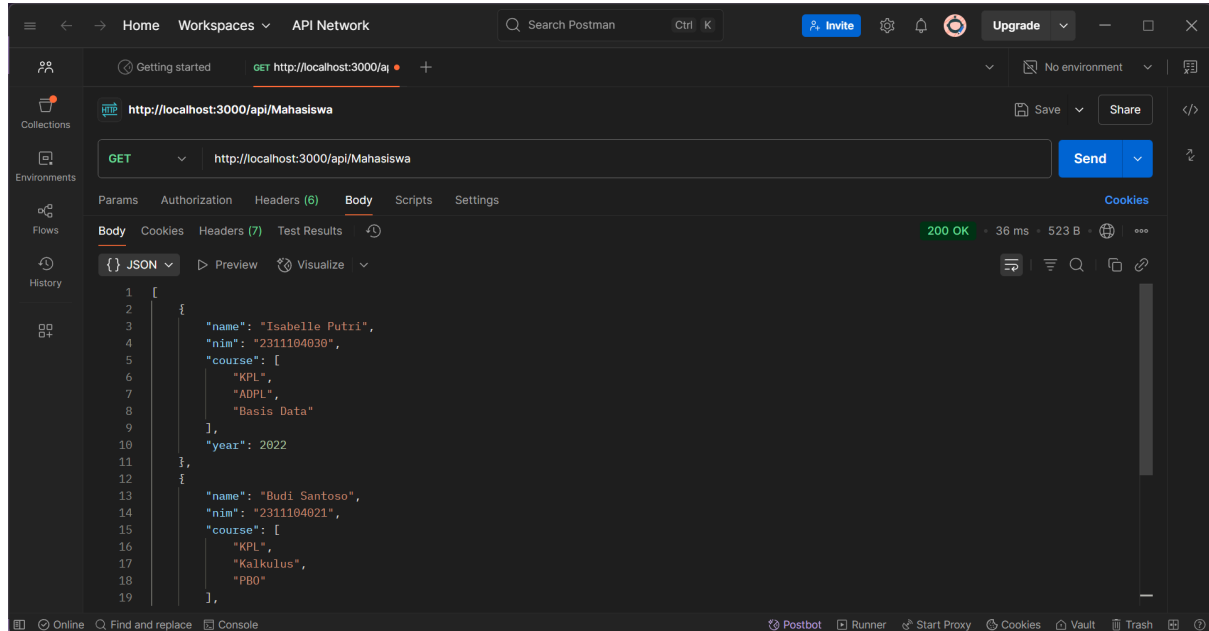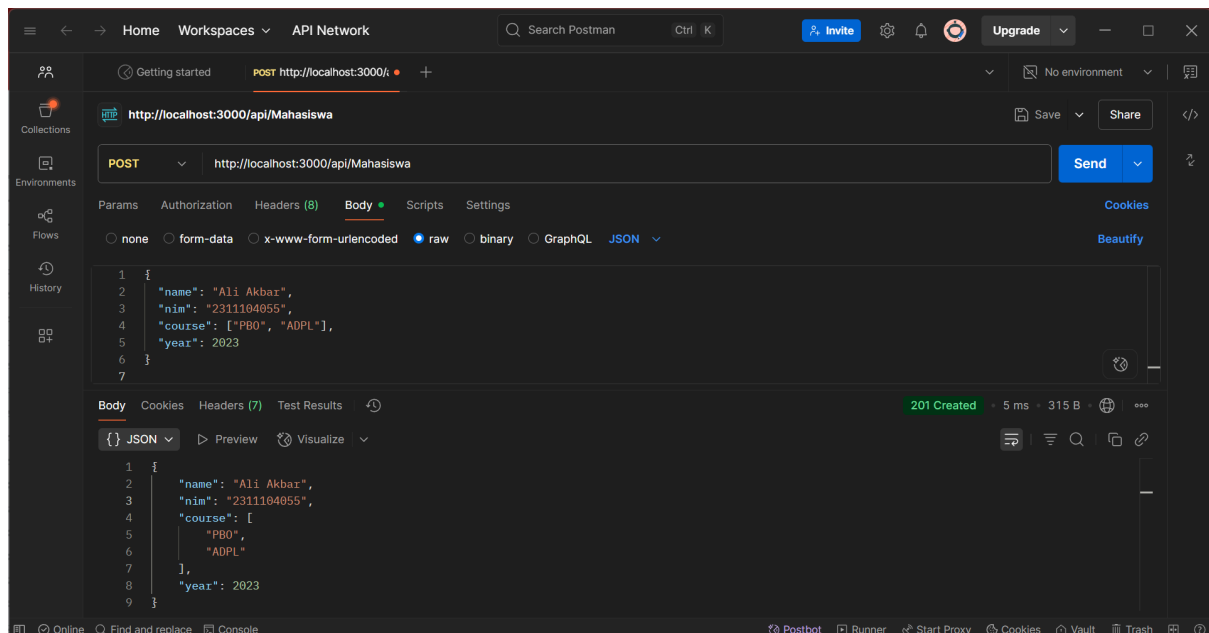
GET

=> Mengambil semua data Mahasiswa


POST

=> Menambah data Mahasiswa

GET

=> Mengambil seluruh data Mahasiswa setelah menambahkan data.

```json
[
    {
        "name": "Isabelle Putri",
        "nim": "2311104030",
        "course": [
            "KPL",
            "ADPL",
            "Basis Data"
        ],
        "year": 2022
    },
    {
        "name": "Budi Santoso",
        "nim": "2311104021",
        "course": [
            "KPL",
            "Kalkulus",
            "PBO"
        ],
        "year": 2022
    },
    {
        "name": "Siti Aminah",
```

```json
        ],
        "year": 2022
    },
    {
        "name": "Siti Aminah",
        "nim": "2311104032",
        "course": [
            "ADPL",
            "IMK",
            "Metodologi Penelitian"
        ],
        "year": 2022
    },
    {
        "name": "Ali Akbar",
        "nim": "2311104055",
        "course": [
            "PBO",
            "ADPL"
        ],
        "year": 2023
    }
]
```
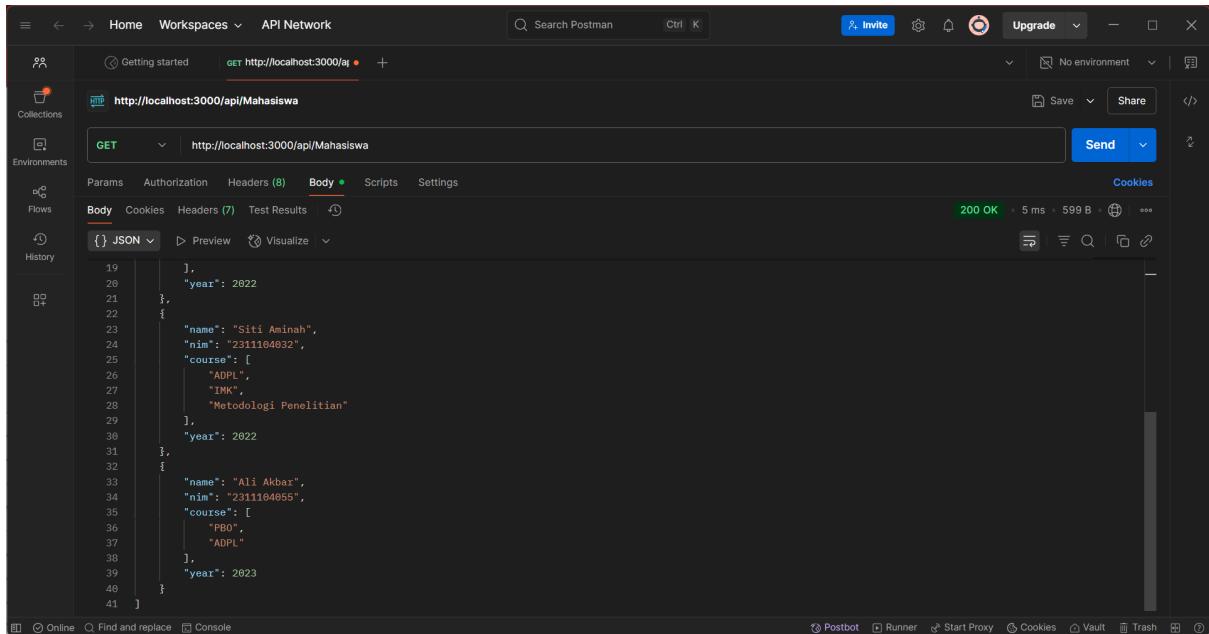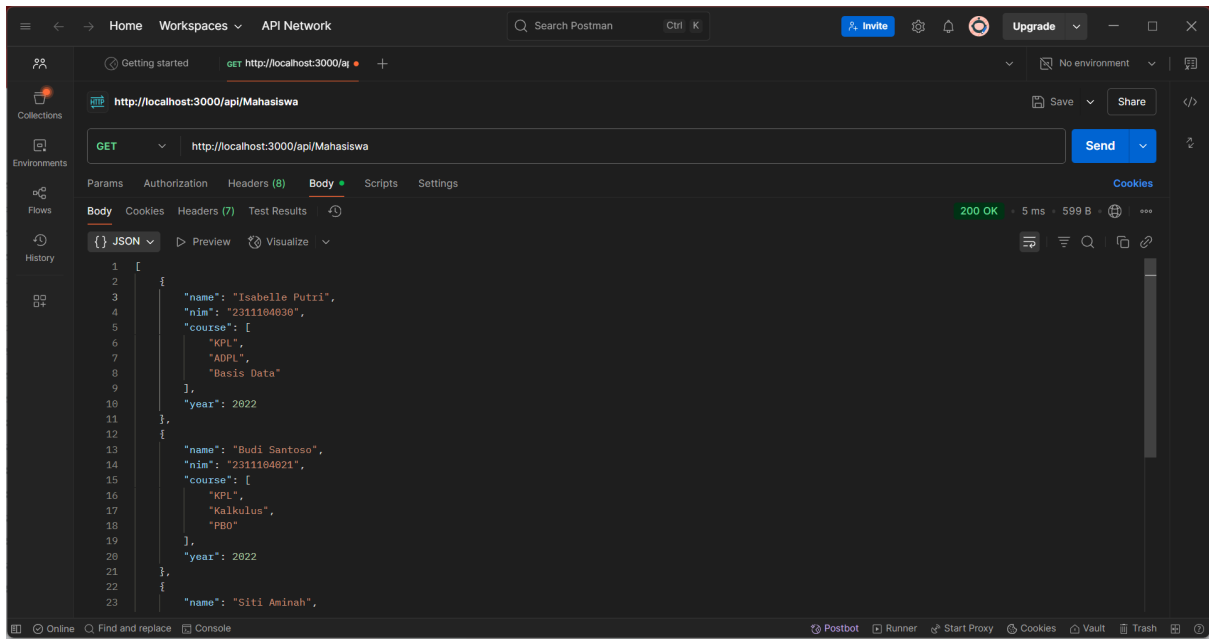
GET Mahasiswa index 3

=> Mengambil data Mahasiswa dengan index 3.
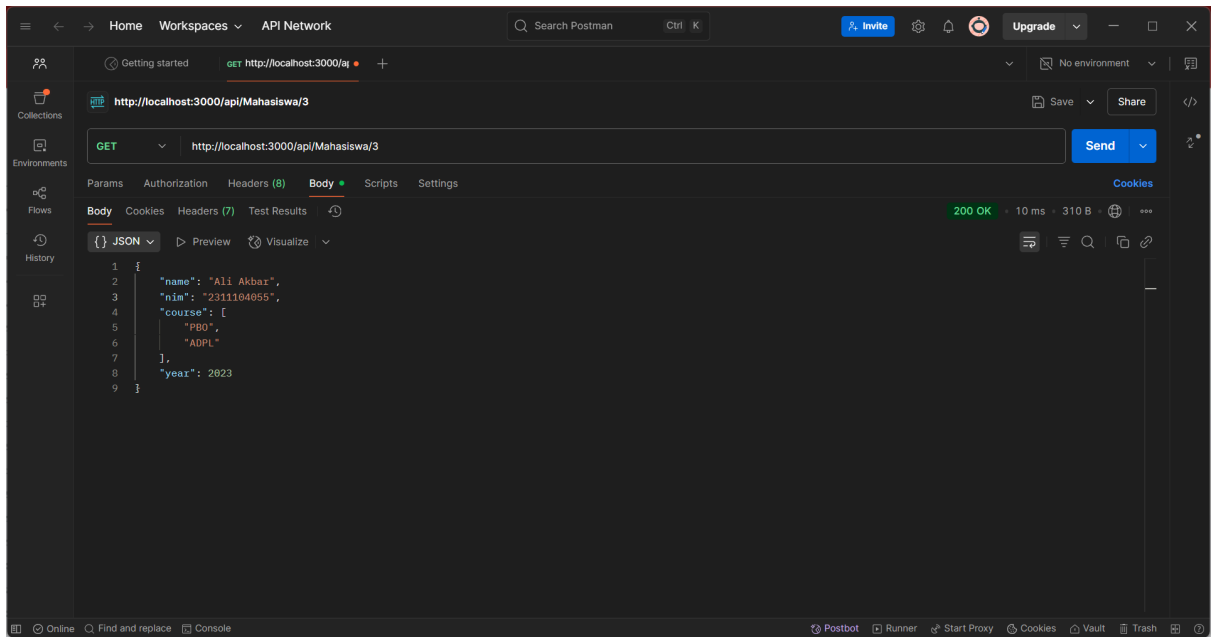
DELETE Mahasiswa index 1

=> Menghapus data mahasiswa dengan index 1