Aktivitas 4 - m11

DataBase

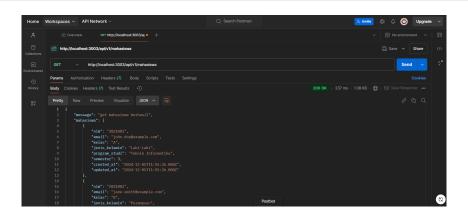
1. Mahasiswa

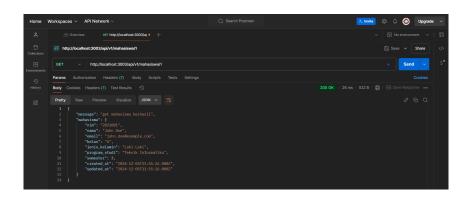


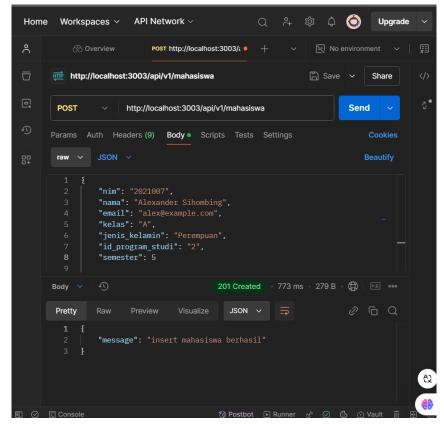
2. Program studi

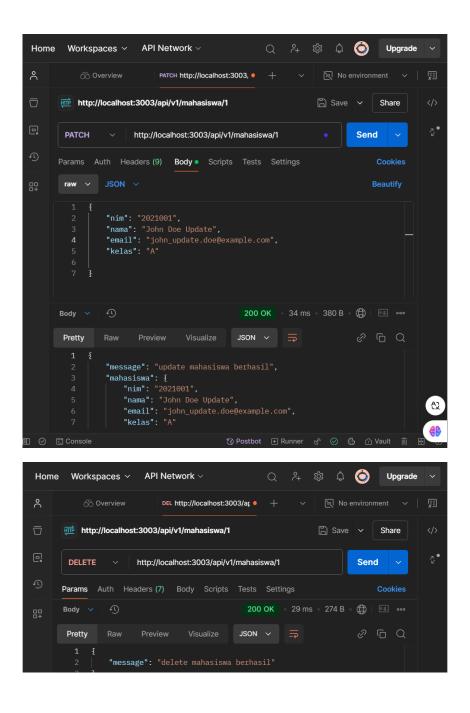


Hasil Code









Tugas

Silahkan tambahkan operasi crud pada entitas program_studi prodiConstrollers.js

```
const db = require("./database")

const getAll = (req, res) => {
    const query = "SELECT * FROM `program_studi`"
    db.query(query, [], (err, result) => {
```

```
if (err) {
            res.status(400).json({
                massage: "prodi gagal get",
                serverMassage: err
            })
       } else {
            res.status(200).json({
                massage: "prodi berhasil get",
                ProgramStudi: result
           })
   })
const getOne = (req, res) => {
    const id = req.params.id
    const query = "SELECT * FROM `program_studi` WHERE id = ?;"
    db.query(query, [id], (err, result) => {
        if (err) {
            res.status(400).json({
                massage: "salah satu get prodi gagal",
                serverMassage: err
            })
       } else {
            res.status(200).json({
                massage: "salah satu get prodi berhasil",
                ProgramStudi: result[0]
            })
   })
const insert = (req, res) => {
    const prodi = req.body
    const query = "INSERT INTO program_studi SET ?"
    db.query(query, prodi, (err, result) => {
       if (err) {
            res.status(400).json({
               massage: "insert prodi gagal",
                servisMassage: err
        } else {
            res.status(200).json({
                massage: "insert prodi berhasil",
           })
   })
const update = (req, res) => {
    const id = req.params.id
    const prodi = req.body
    const query = `UPDATE mahasiswa SET ? WHERE id = ${id}`
    db.query(query, prodi, (err, result) => {
        if(err) {
            res.status(400).json({
                massage: "update prodi gagal",
                serverMassage: err
            })
        } else {
```

```
res.status(200).json({
                massage: "update prodi berhasil",
                ProgramStudi: prodi
           })
   })
const remove = (req, res) => {
    const id = req.params.id
    const query = "DELETE FROM mahasiswa WHERE id =?"
    db.query(query, [id], (err, result) => {
        if(err) {
            res.status(400).json({
               massage: "delete gagal",
               serverMassage: err
           })
       } else {
            res.status(200).json({
               massage: "delete berhasil"
           })
   })
module.exports = {getAll, insert, update, remove, getOne}
```

program_studi.js

```
const express = require("express");
const route = express.Router();

const prodiControllers = require("./prodiControllers")

route.get("/", prodiControllers.getAll);

route.get("/:id", prodiControllers.getOne);

route.post("/", prodiControllers.insert);

route.patch("/:id", prodiControllers.update);

route.delete("/:id", prodiControllers.remove);

module.exports = route;
```

app.js

```
const express = require("express");
const app = express();

const mahasiswa = require("./mahasiswa");
const prodi = require("./program_studi")

app.use("/mahasiswa", mahasiswa);
app.use("/prodi", prodi)
```

```
module.exports = app;
```

- 2. SILAHKAN TAMBAHKAN ROUTE UNTUK MENAMPILKAN MAHASISWA BERDASARKAN:
- a. Kelas
- b. Semester
- c. Program Studi

mahasiswaControllers.js

```
const getKelas = (req, res) => {
    const kelas = req.params.kelas
    const query = "SELECT * FROM mahasiswa INNER JOIN program_studi ON id_program_studi = program_studi.id
    db.query(query, [kelas], (err, result) => {
        if (err) {
            res.status(400).json({
                message: "get kelas gagal",
                serverMessage: err,
            });
       } else {
            res.status(200).json({
                message: "get kelas berhasil",
                kelas: result[0]
   })
const getSemester = (req, res) => {
    const semester = "SELECT * FROM mahasiswa INNER JOIN program_studi ON id_program_studi = program_studi.
    db.query(query, [semester], (err, result) => {
        if (err) {
            res.status(400).json({
                message: "get semester gagal",
                serverMessage: err,
           });
       } else {
            res.status(200).json({
                message: "get semester berhasil",
                semester: result[0]
           });
   })
const getProgram = (req, res) => {
    const program = req.params.id_program_studi
    const query = "SELECT * FROM mahasiswa INNER JOIN program_studi ON id_program_studi = program_studi.id
db.query(query, [program], (err, result) => {
    if (err) {
        res.status(400).json({
            message: "get program studi gagal",
            serverMessage: err,
    } else {
        res.status(200).json({
            message: "get program studi berhasil",
            program: result[0]
        });
```

```
}
})
}
```

app.js

```
route.get("/:kelas", mahasiswaControllers.getKelas);
route.get("/:semester", mahasiswaControllers.getSemester);
route.get("/:program", mahasiswaControllers.getProgram);
```