PRAKTIKUM
SISTEM BASIS DATA

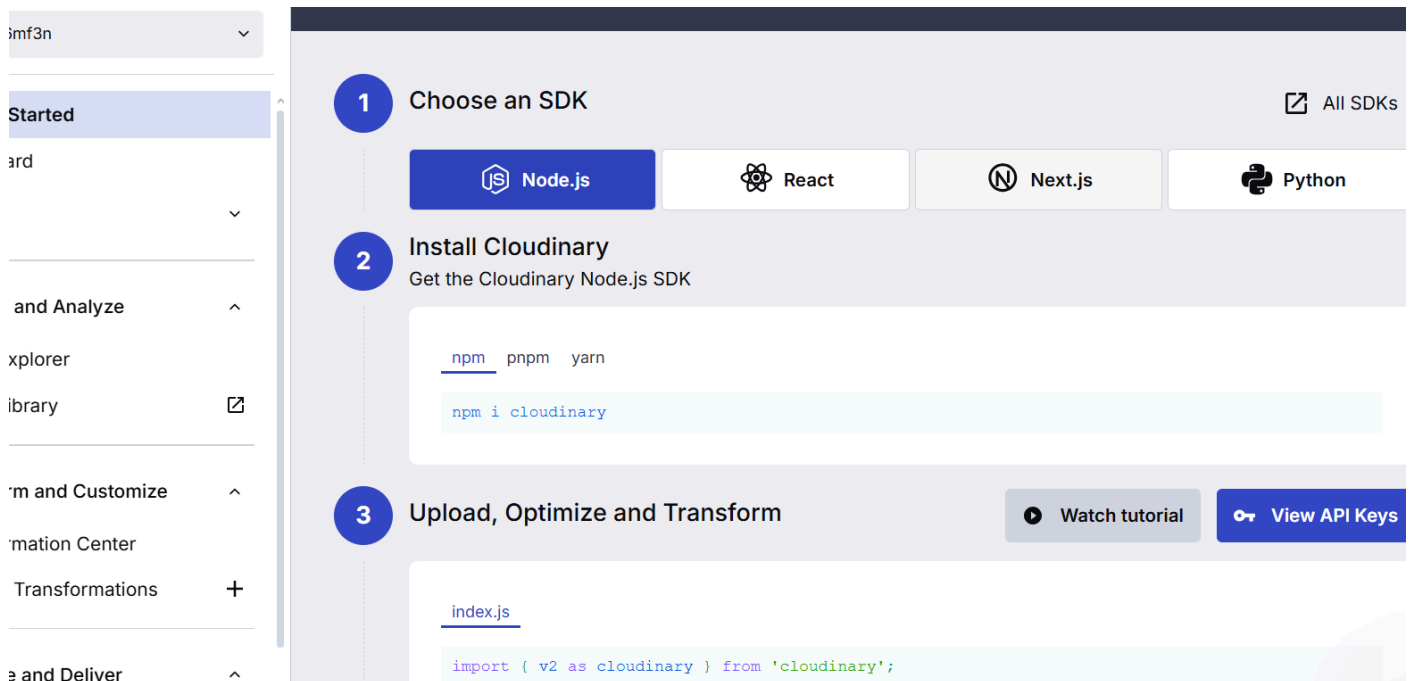| Nama	Deandro Najwan Ahmad Syahbanna	No. Modul	5
NPM	2306213174	Tipe	TUTAM

1. Jalankan Query di SQL Editor

2. buat form data pada item.route.js

```
c > routes > JS item.route.js > ...
1    const express = require('express');
2    const multer = require('multer');
3
4    const itemController = require('../controllers/item.controller');
5    const router = express.Router();
6    const storage = multer.memoryStorage();
7    const upload = multer({ storage: storage });
8
9    router.post('/create', upload.single('image'), itemController.createItem);
10   router.put('/',upload.single('image'), itemController.updateItem);
11
12
13   module.exports = router;
14
```

3. Sign UP cloudinary dan Install Cloudinary

4. Nambahin Cloudinary ke .env

```
Open in Postman | Sync to Postman | You, 2 minutes ago | 1 autho
DATABASE_URL=postgresql://express_deandro_own
PORT=4000          You, 2 minutes ago • TutamMod_

CLOUDINARY_CLOUD_NAME=dfjv6mf3n
CLOUDINARY_API_KEY=829175862462816
CLOUDINARY_API_SECRET=XepEeX3wnK10KtUVsd5Fuyp
```
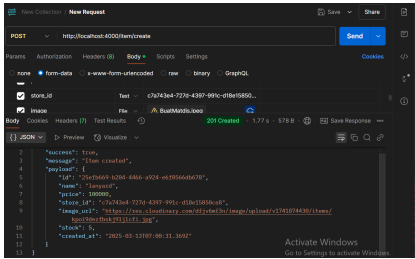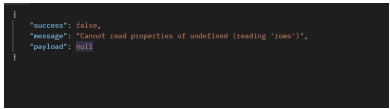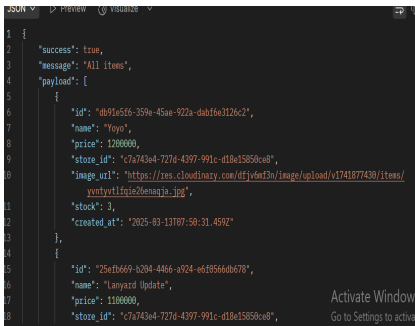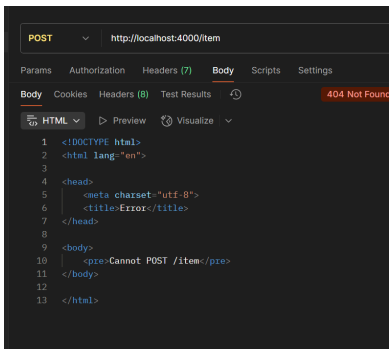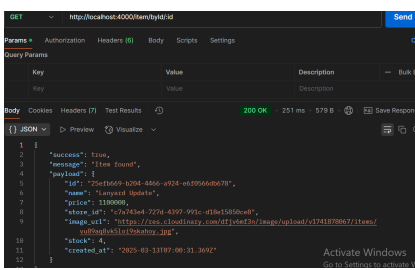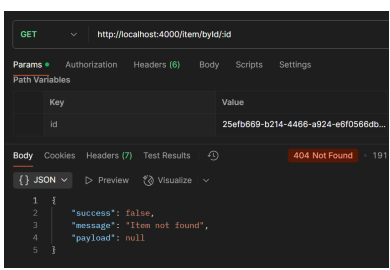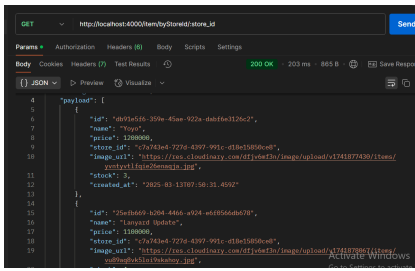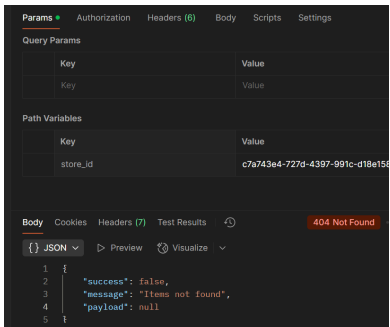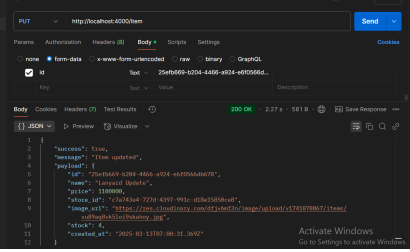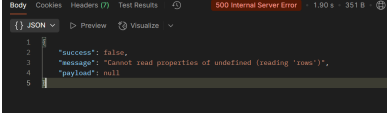
5. Hubungin Cloudinary Ke Node Modules

```js
src > utils > Js cloudinary.js > [∅] uploadFile > ⬡ <function>
 1    require("dotenv").config();
 2    const cloudinary = require("cloudinary").v2;
 3
 4    cloudinary.config({
 5        cloud_name: process.env.CLOUDINARY_CLOUD_NAME,
 6        api_key: process.env.CLOUDINARY_API_KEY,
 7        api_secret: process.env.CLOUDINARY_API_SECRET,
 8    });
 9
10    const uploadFile = (file, folder) => {
11        return new Promise((resolve, reject) => {
12            if (!file) return resolve(null); // No file to upload
13
14            const b64 = Buffer.from(file.buffer).toString("base64");
15            const dataURI = `data:${file.mimetype};base64,${b64}`;
16
17            cloudinary.uploader.upload(dataURI, {
18                folder: folder,
19            }, (error, result) => {
20                if (error) reject(error);
21                else resolve(result.secure_url);
22            });
23        });
24    };
25
26    module.exports = {
27        uploadFile,
28        ...cloudinary
29    };
```

install beberapa library yang dibutuhkan seperti cloudinary dsb.

6. Untuk kode perubahannya mungkin bisa dilihat lebih jelas dalam kode yang dikirim, tapi secara umum setelah saya menambahkan cloudinary dan menghubungkannya ke dalam kode express, saya membuat file khusus untuk mengatur tabel items, sama halnya dengan tabel stores dan users.

7. Response Format

method	endpoint	success	false
POST	/item/create		
GET	/item		
GET	/item/byId/:id		
GET	/item/byStoreId/:store_id		

PUT	/item		
DELETE	/item/:id		