Backend Developer Assignment

Introduction: Building a RESTful API for a task management system using Node.js, TypeScript, PostgreSQL, Factify and Firebase Functions.

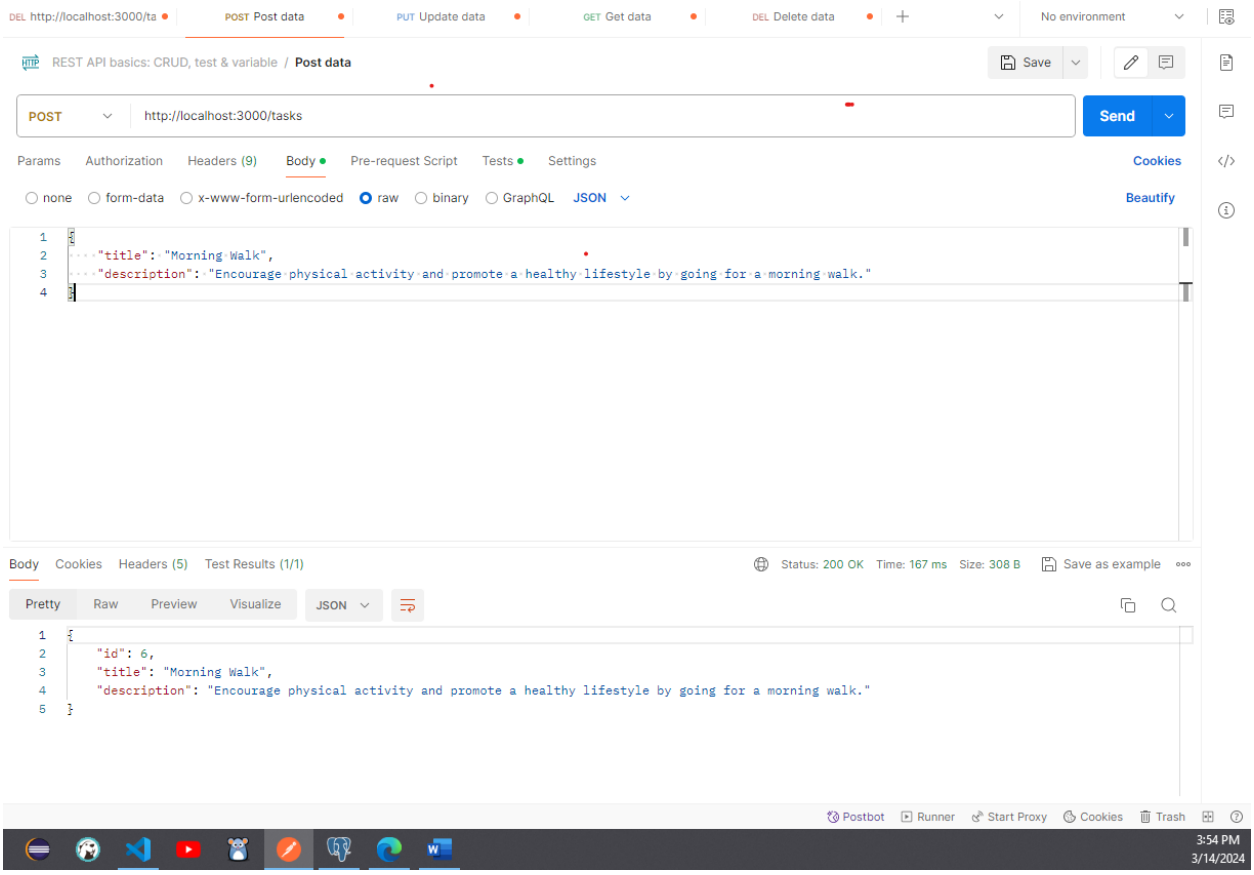
API Design and Routes: Design and implement API routes for the following functionalities:

1. Create a new task

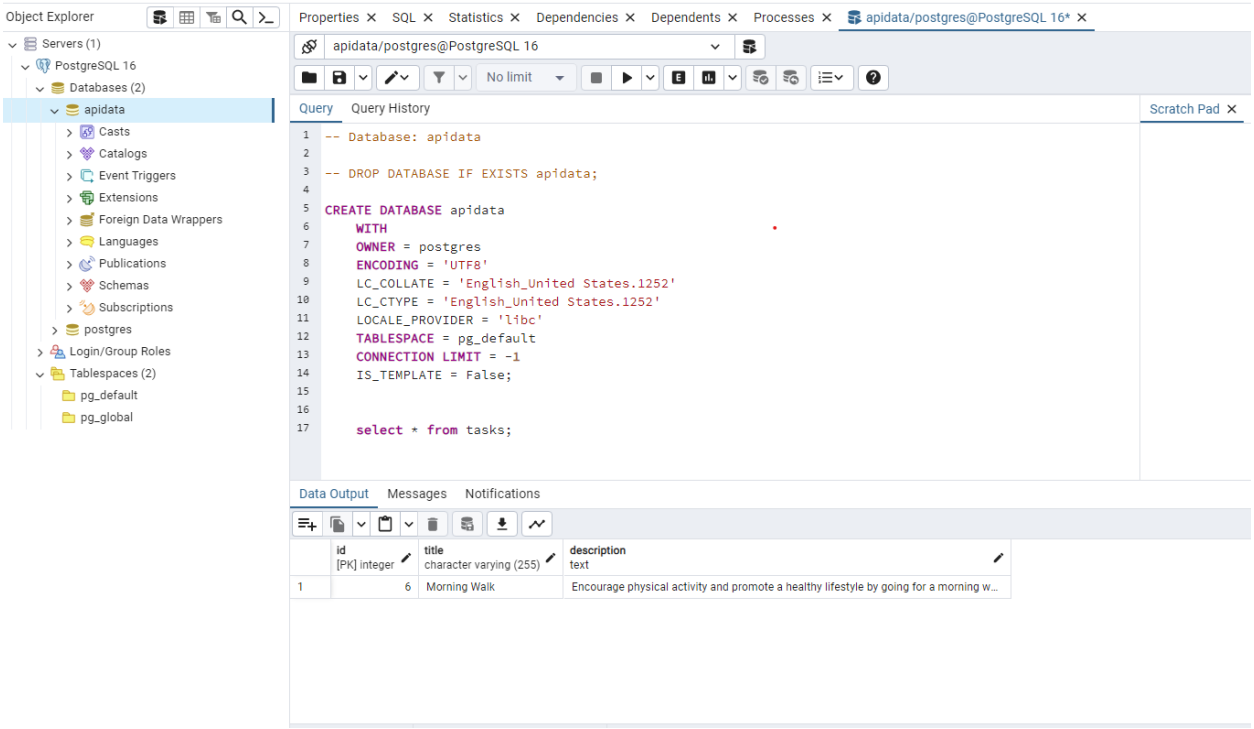
URL: http://localhost:3000/tasks
Request Type: POST
BODY:

```
{
"title": "walk",
"description": "at 6:00 am daily"
}
```

REQUEST:



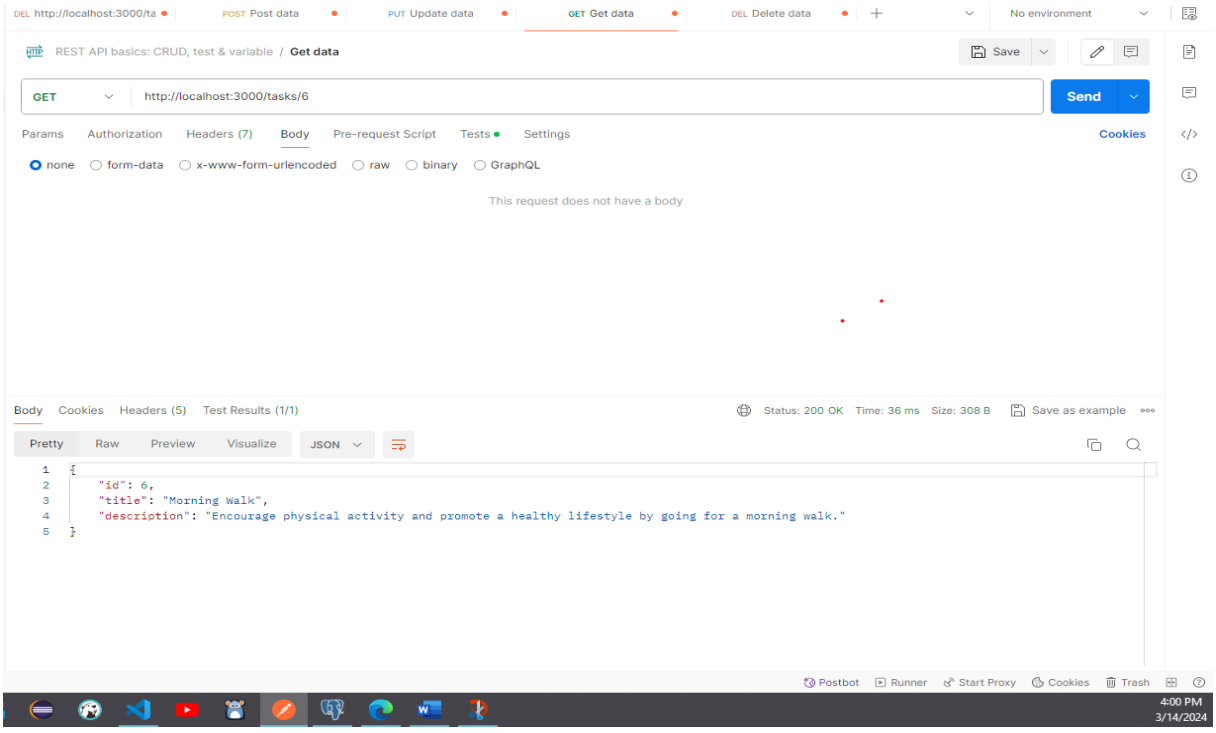
RESPONSE:



2. Retrieve a task by ID

URL: http://localhost:3000/tasks/6

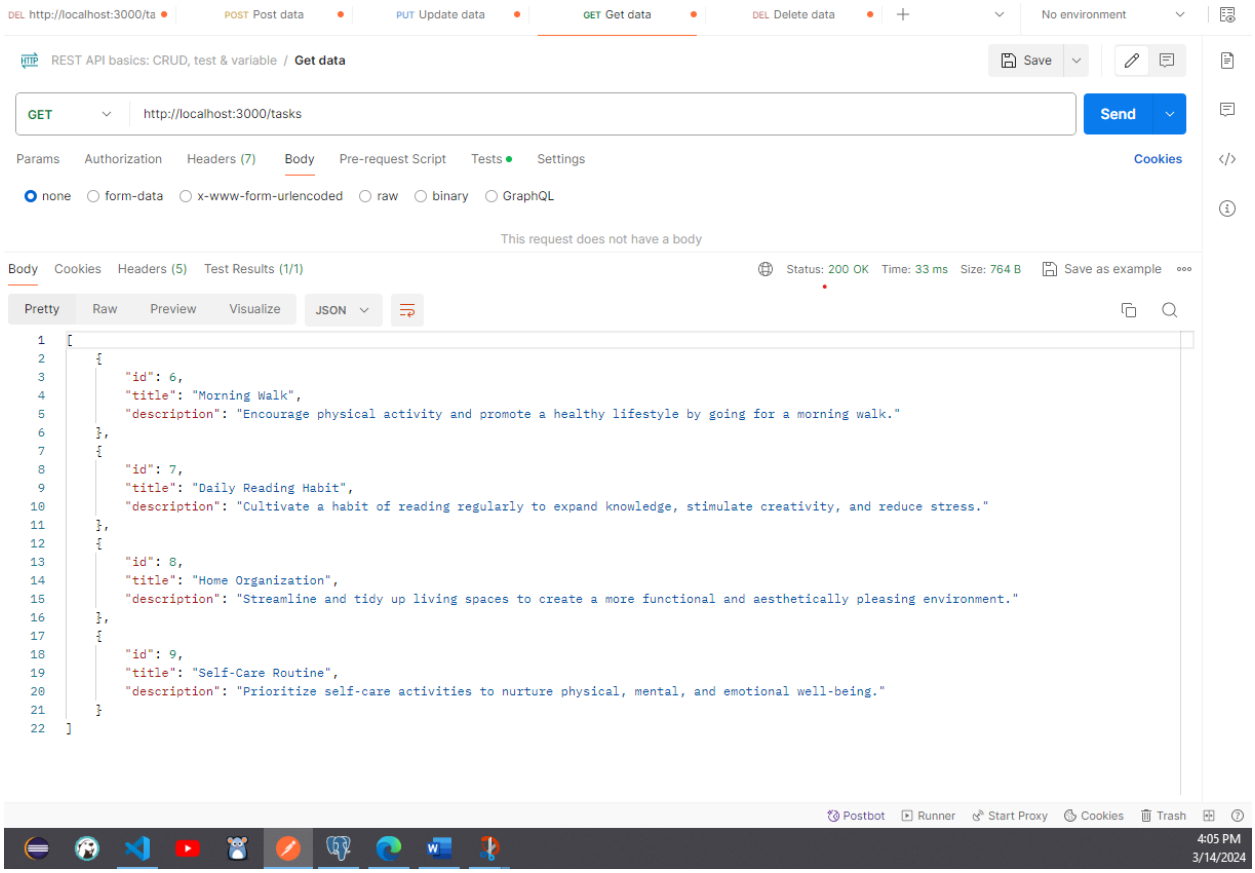
Request Type: GET **REQUEST/RESPONSE:**



3. List all tasks

URL: http://localhost:3000/tasks

Request Type: GET **REQUEST/RESPONSE:**

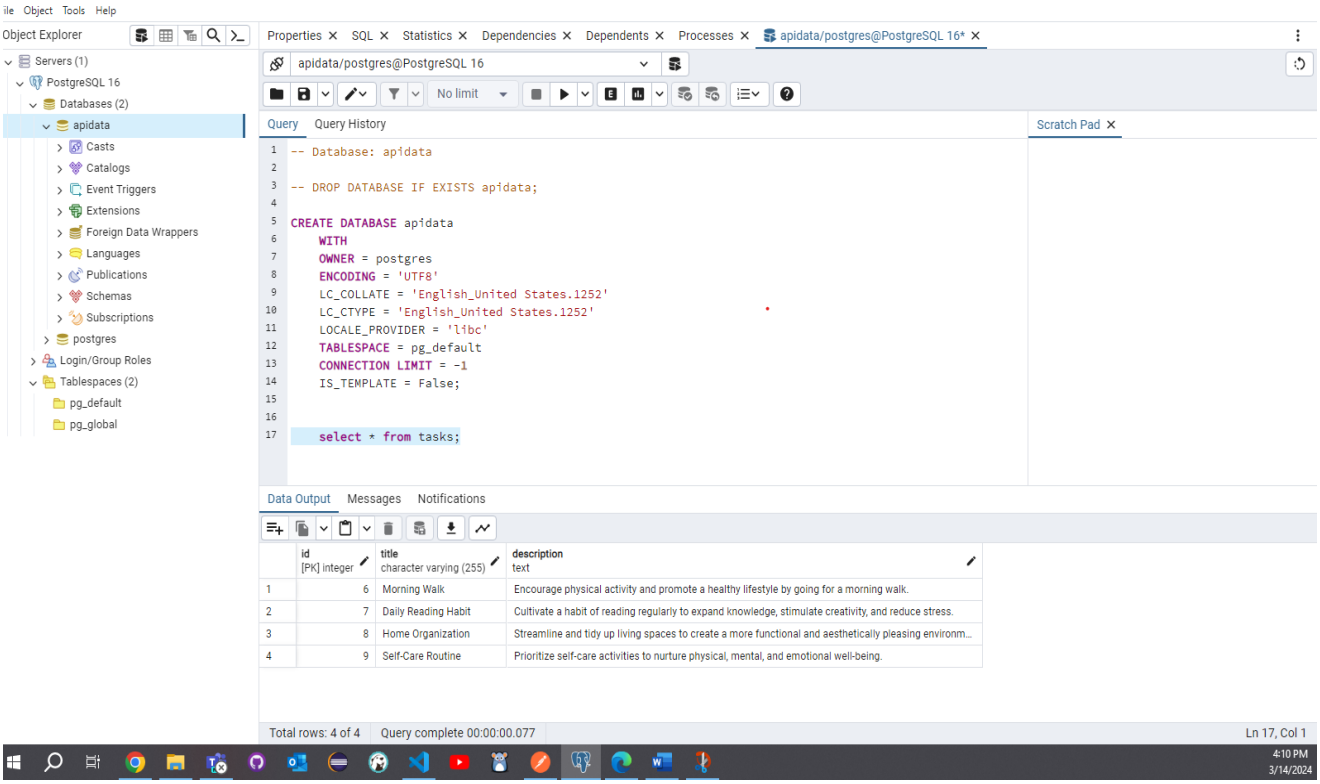


4. Update a task

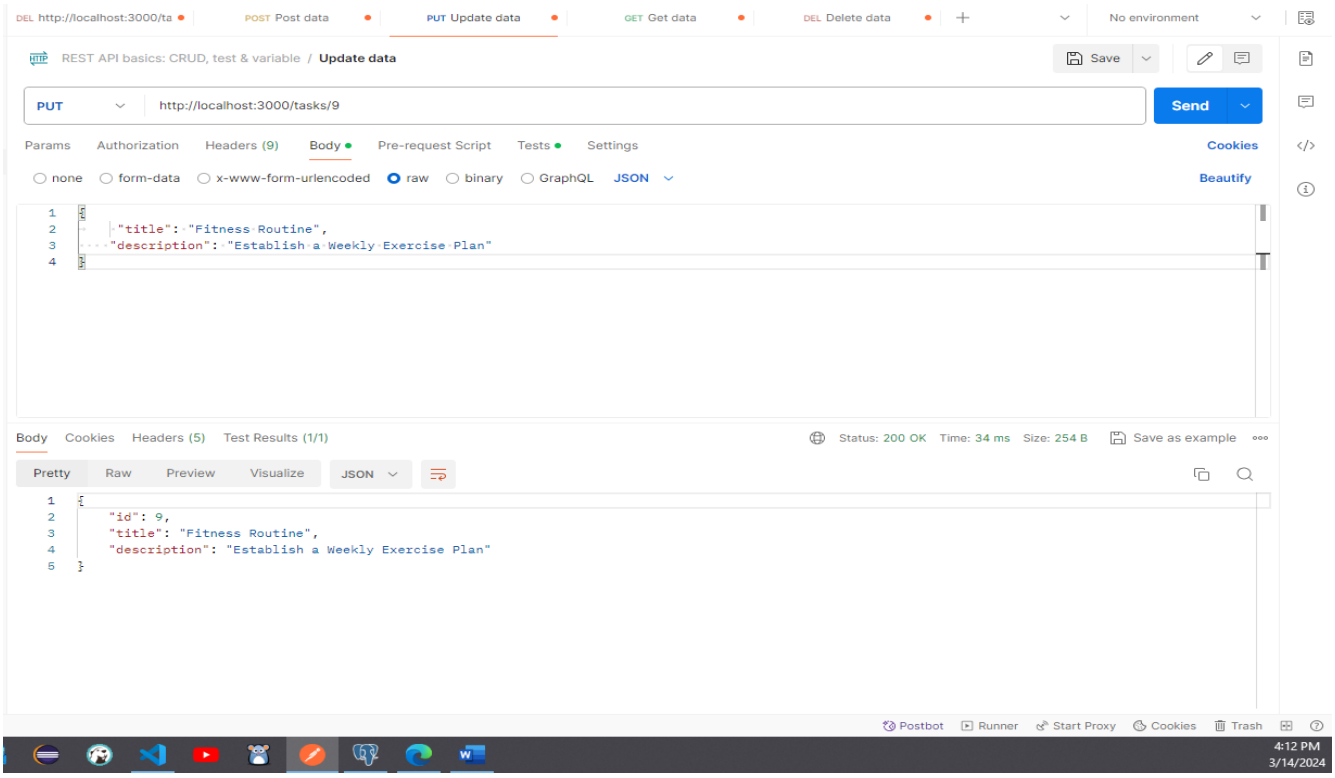
URL: http://localhost:3000/tasks/9

Request Type: PUT

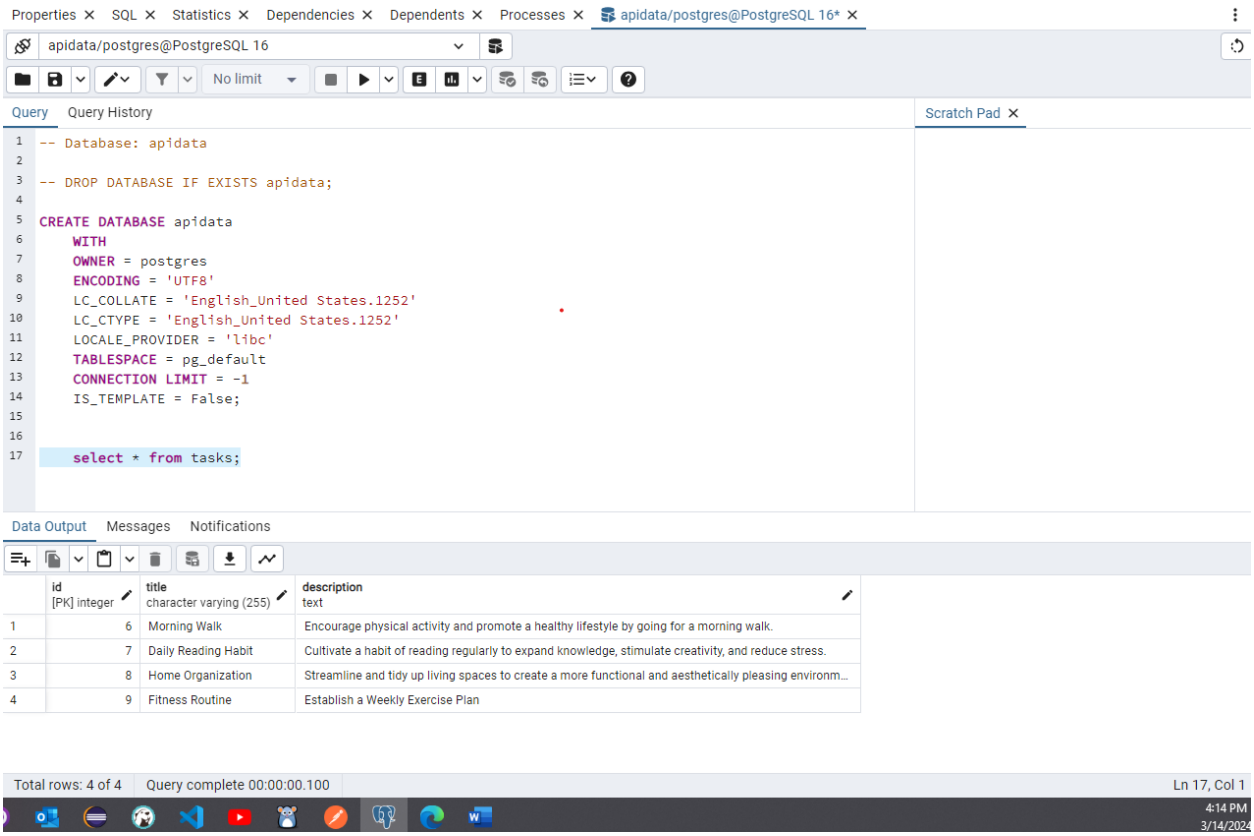
BEFORE UPDATE:



PUT REQUEST:



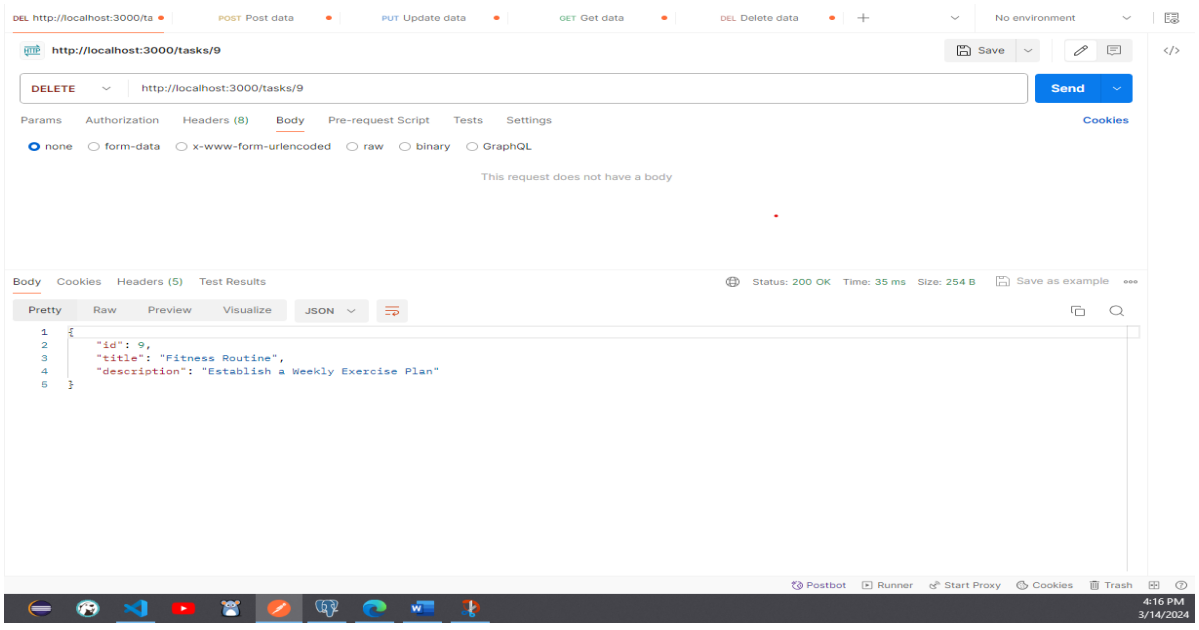
AFTER UPDATE:



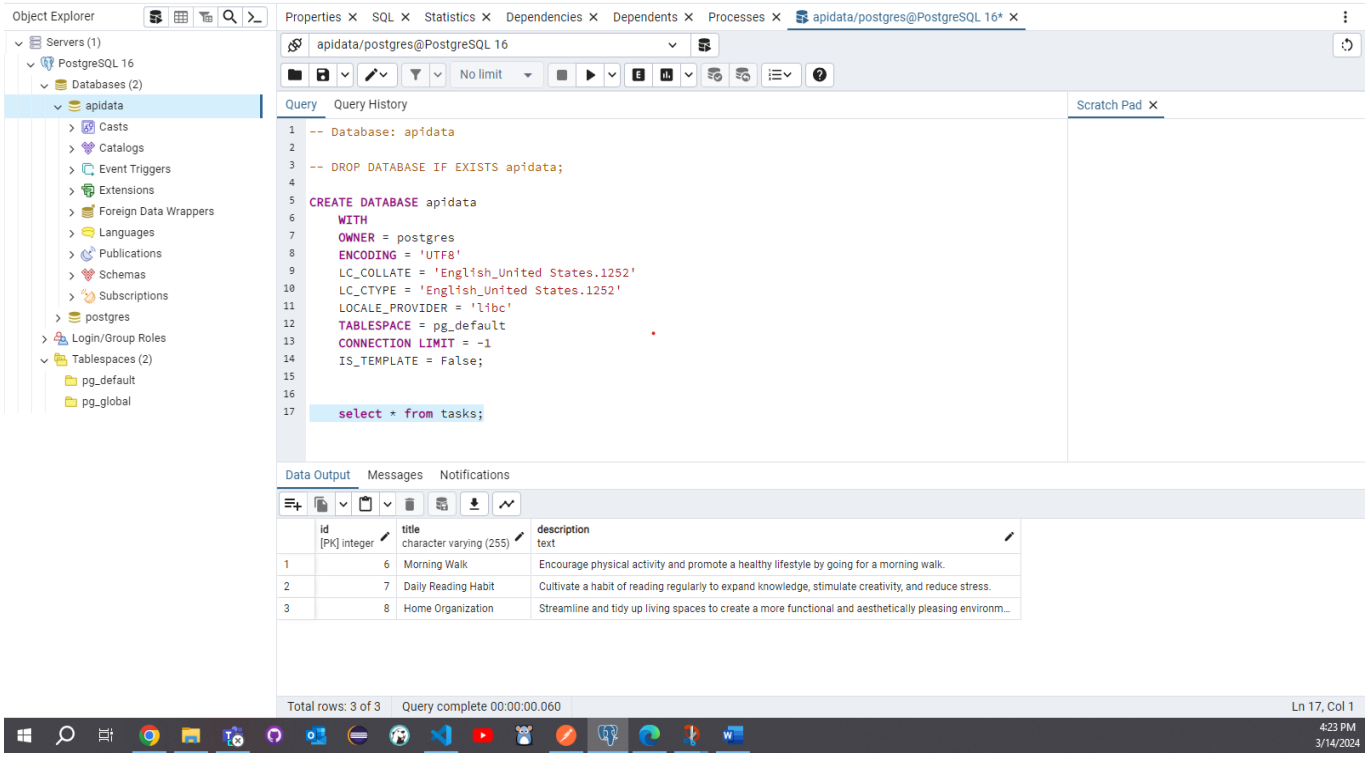
5. Delete a task

URL: http://localhost:3000/tasks/9

Request Type: PUT



DATABASE:



DATBASE: PostgreSQL

BACKEND: Node.js, TypeScript

API TESTING:POSTMAN

Validation and Error Handling:

- **npm install fastify-schema-** We import FastifySchema from fastify-schema to define JSON schemas for request validation