Name: Muhammad Ryan Marcellino

Assignment Day 23 - Node.js dan Express 3 + Mini Project Explanation

Project Description

Scenario

Create lists of CREATE and READ API for provinces and cities

*Only the GET, POST HTTP Methods

Steps

- Init sample express directory

- Create endpoint for CR

- Create tables for required store data

- Create CR for respected tables

Steps

- Push the project to github repository

Answer

Initial Code in MySQL

CREATE DATABASE assignment_city_province;

USE assignment_city_province;

SELECT * FROM cities;

SELECT * FROM provinces;

CREATE TABLE cities(

cities_id INT(11) PRIMARY KEY AUTO_INCREMENT,

cities_name VARCHAR(20)

)ENGINE=INNODB;

INSERT INTO cities (cities_name) VALUES ('Jakarta');

INSERT INTO cities (cities_name) VALUES ('Bandung');

INSERT INTO cities (cities_name) VALUES ('Serang');

INSERT INTO cities (cities_name) VALUES ('Semarang');

INSERT INTO cities (cities_name) VALUES ('Yogyakarta');

INSERT INTO cities (cities_name) VALUES ('Surabaya');

CREATE TABLE provinces(

provinces_id INT(11) PRIMARY KEY AUTO_INCREMENT,

provinces_name VARCHAR(20)

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)ENGINE=INNODB;
```

```
INSERT INTO provinces (provinces_name) VALUES ('DKI Jakarta');

INSERT INTO provinces (provinces_name) VALUES ('Jawa Barat');

INSERT INTO provinces (provinces_name) VALUES ('Banten');

INSERT INTO provinces (provinces_name) VALUES ('Jawa Tengah');

INSERT INTO provinces (provinces_name) VALUES ('DIY');

INSERT INTO provinces (provinces_name) VALUES ('Jawa Timur');
```
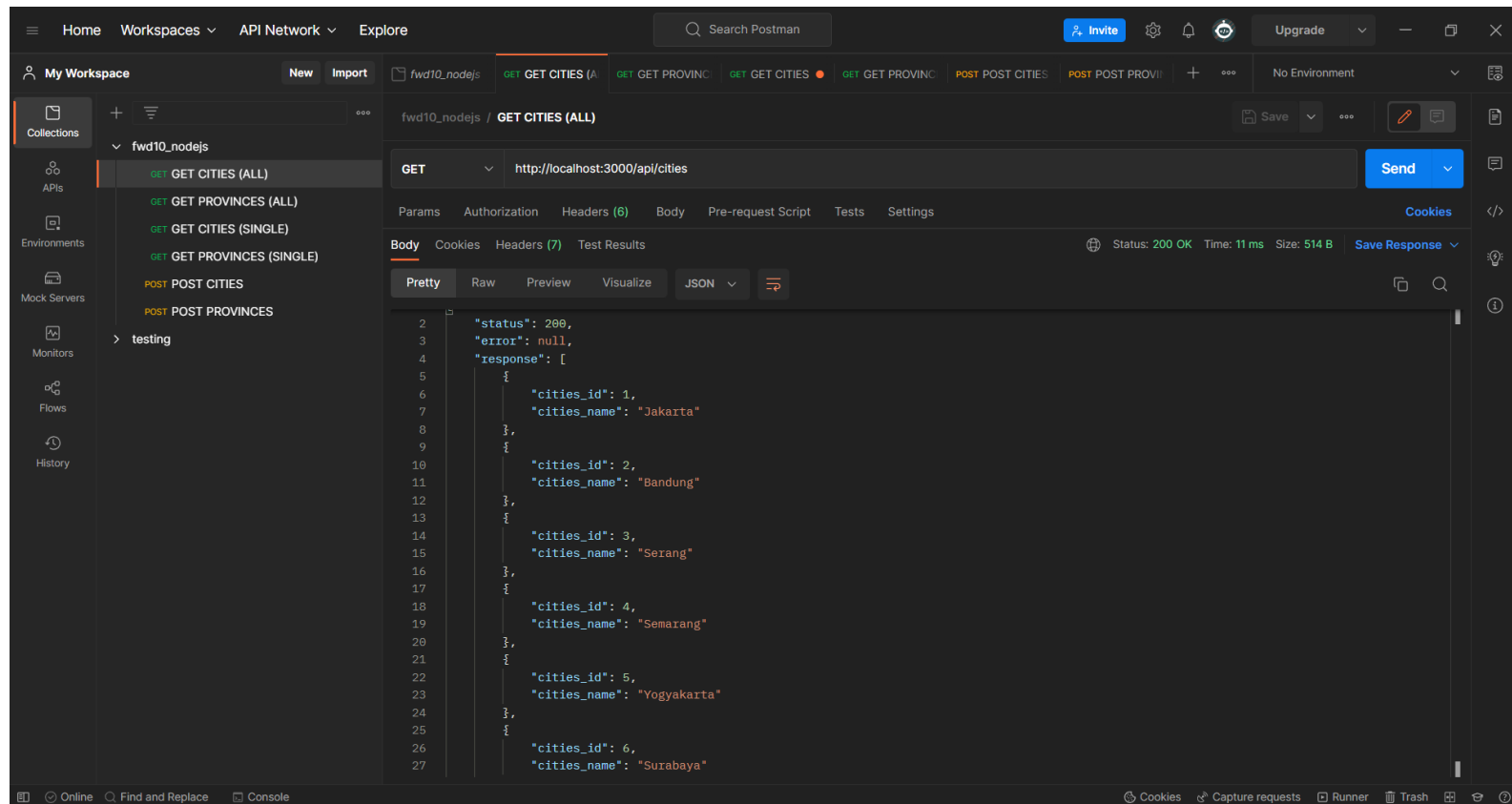
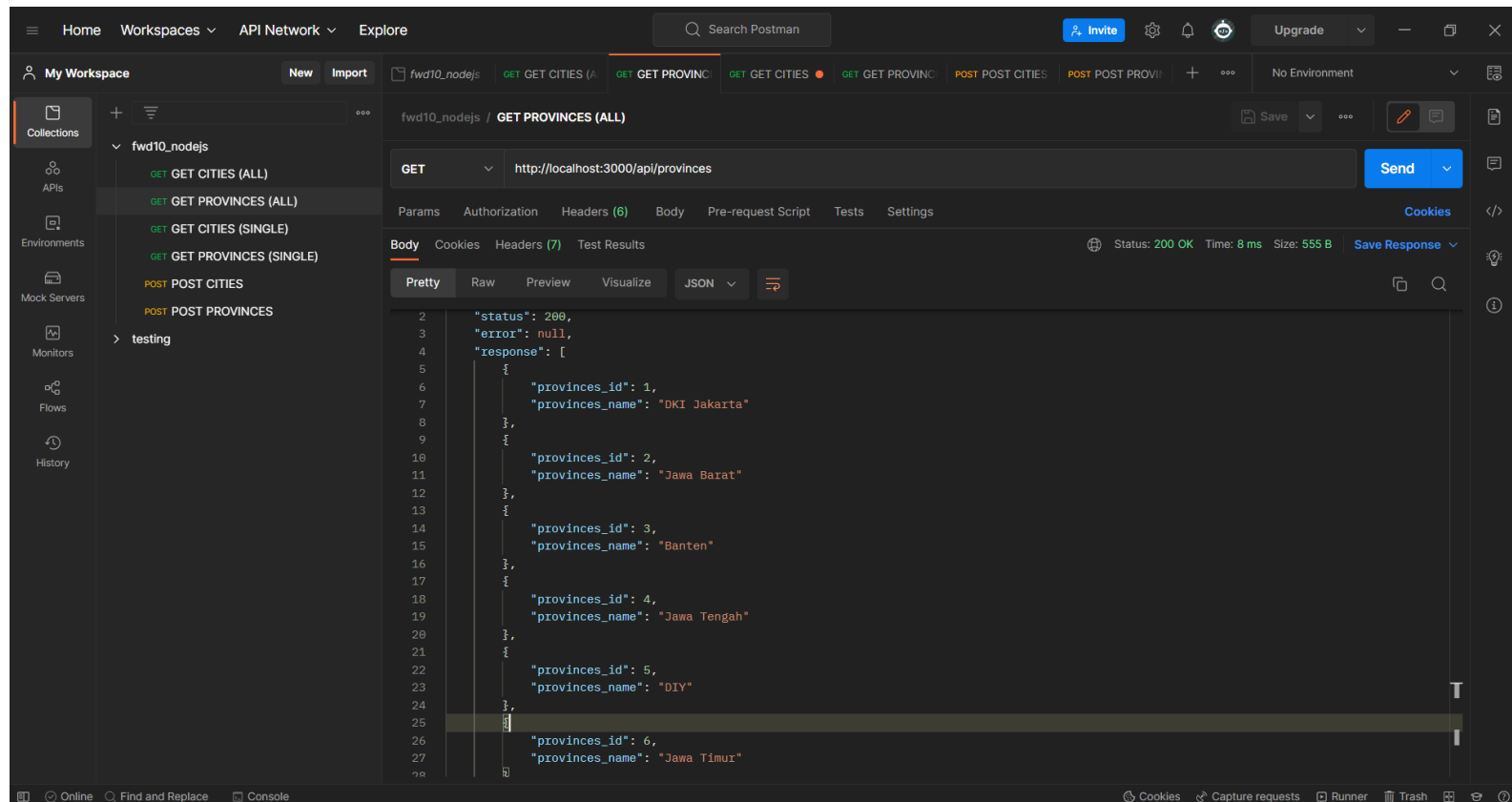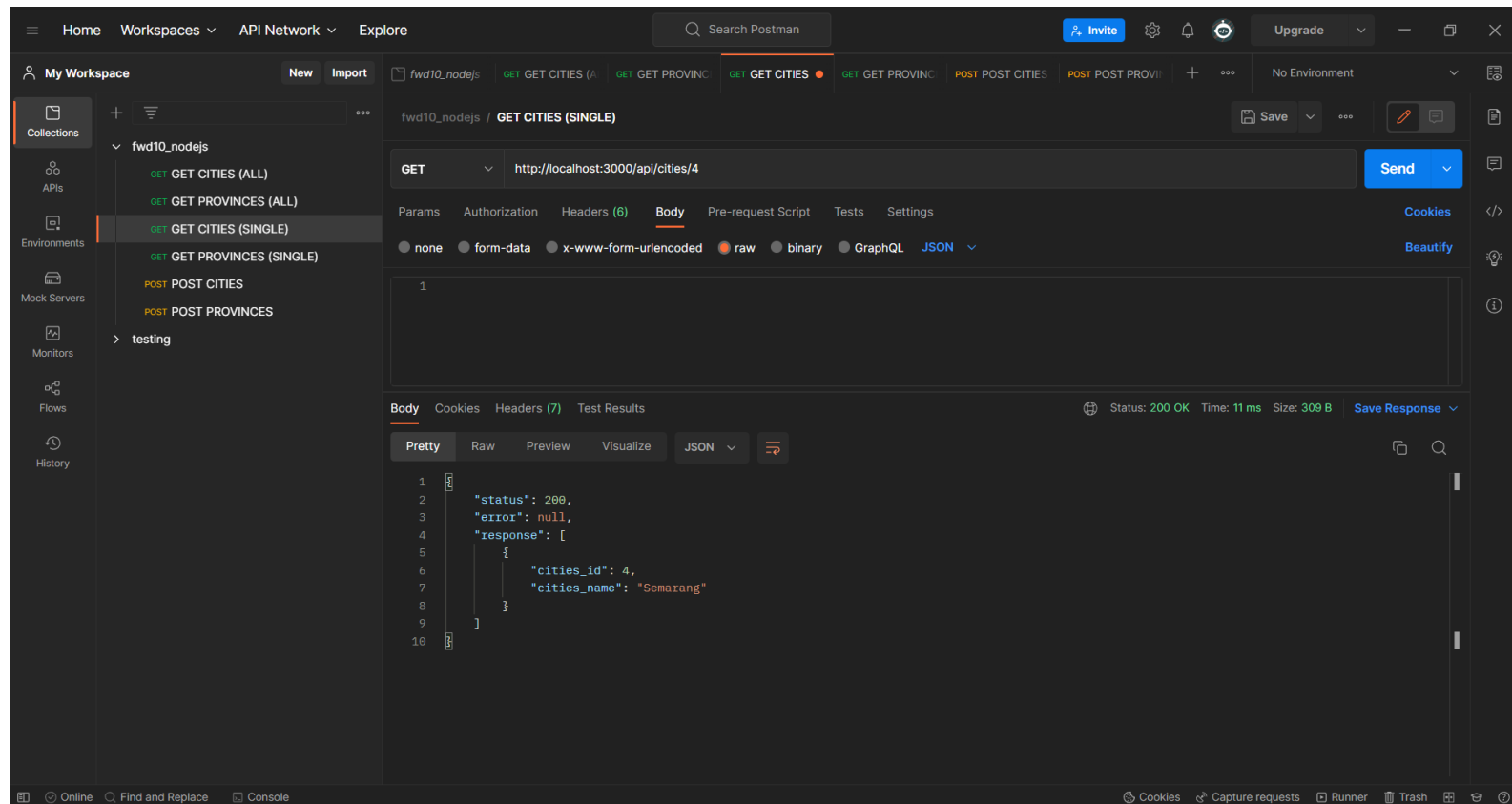**Result of Postman Screenshot**

Read All Cities (GET)

Result of Postman Screenshot

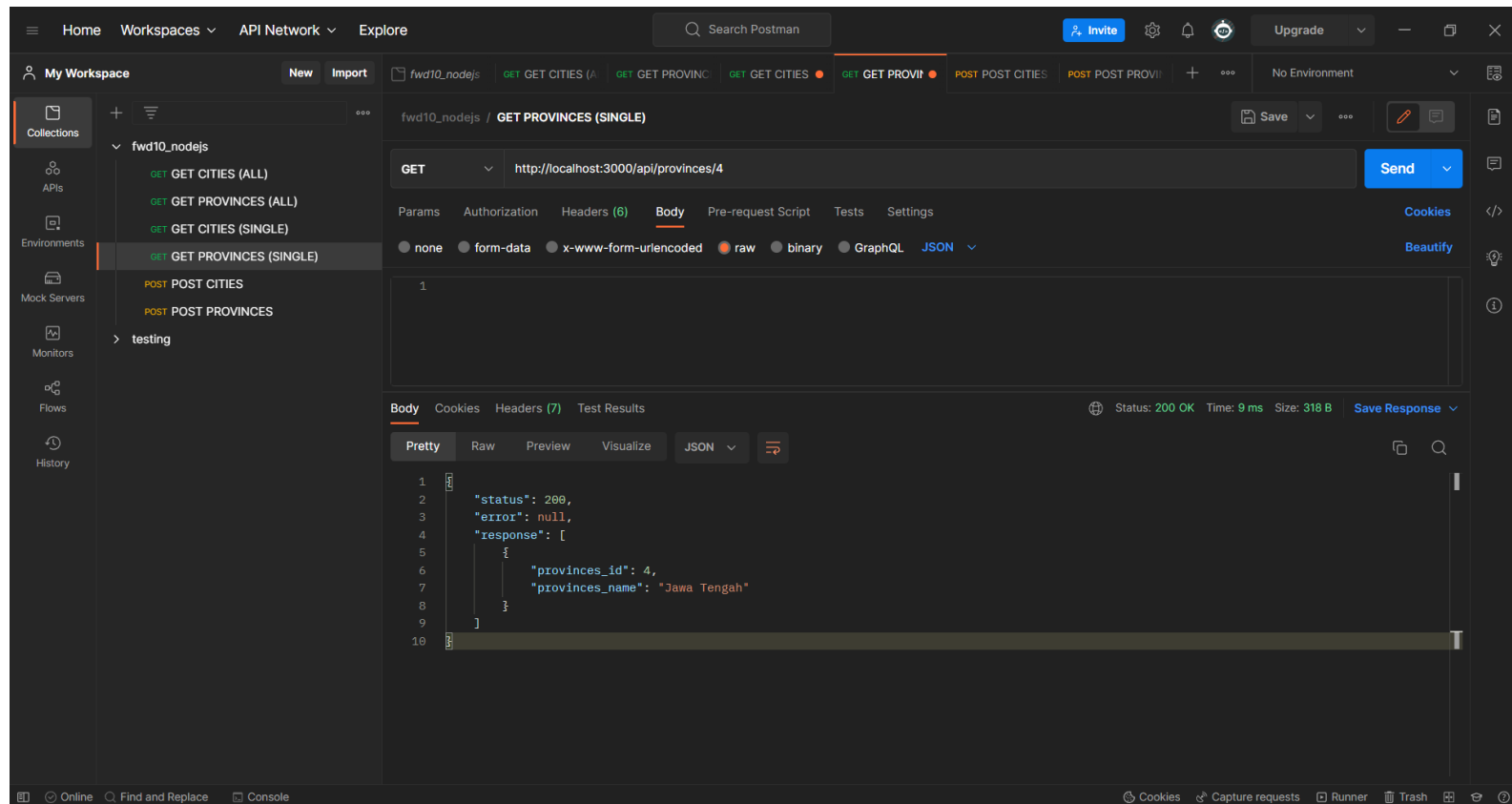**Read All Provinces (GET)**

Result of Postman Screenshot
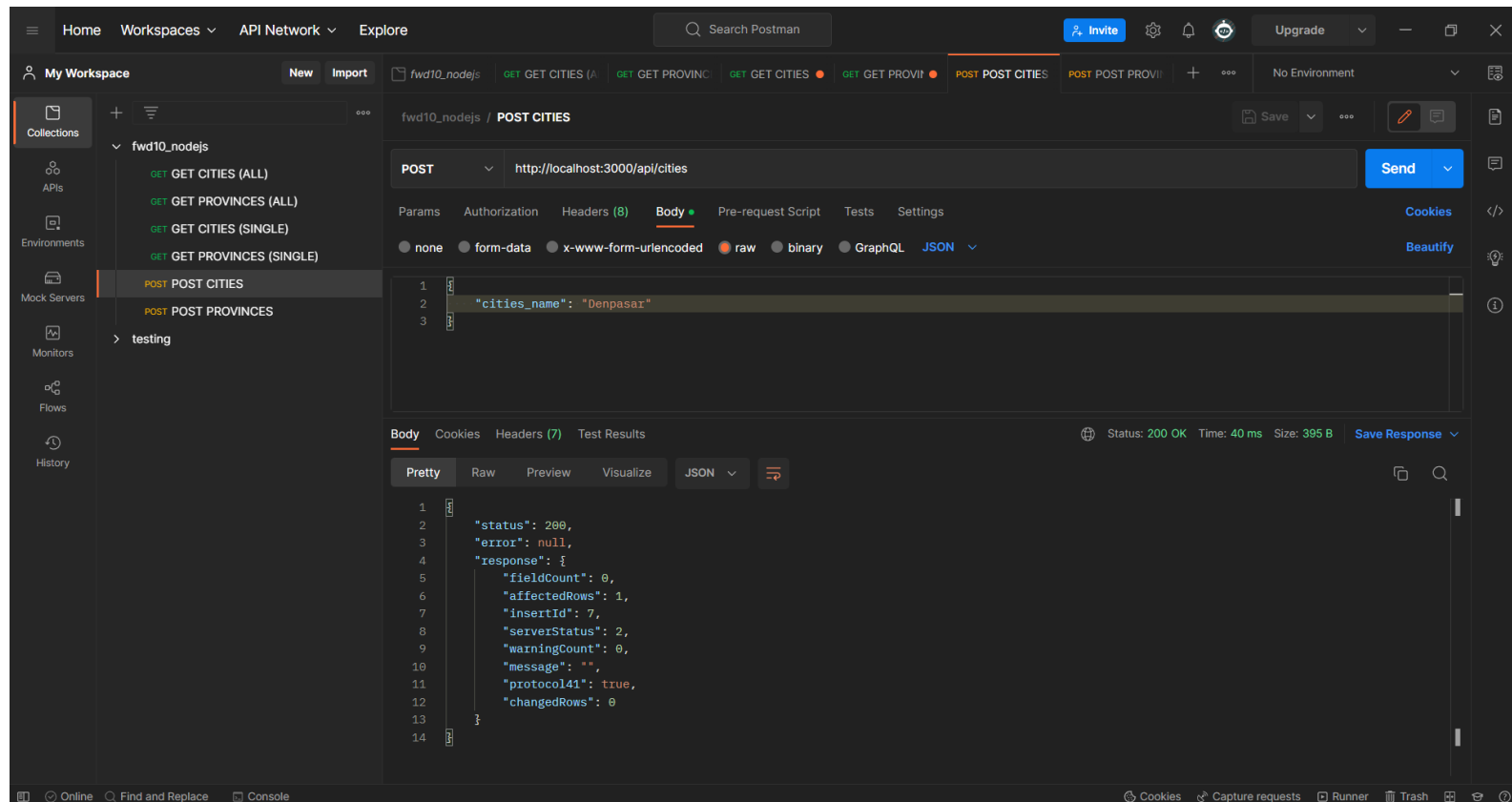
Read Single Cities (GET)

Result of Postman Screenshot

Read Single Provinces (GET)

Result of Postman Screenshot

Create New Cities (POST)

Result of Postman Screenshot

Create New Provinces (POST)