Lab 4 PostgreSQL & Knex

Instructions

1. Answer the below question in the boxes if needed.
2. Code on your computer and zip all your code before submission.
3. Please submit the assignment after you finish.

Part 1 Programming Task

Please complete the code development exercise based on Knex and PostgreSQL according to the following scenario description.

Q1. Set up Knex and connect to the database.

Description:

* Use Knex.js to create a new database connection.
* Connect to a locally running PostgreSQL database (or any other database of your choice).
* Remember to replace the user, password and database on the connection with knex

Q2. Create a table

Description:

* Use Knex to create a table named users.
* The table should contain id (auto-incrementing primary key), name (string), and email (string, unique) fields.

Q3. Insert data

Description:

* Insert a new record into the users table.
* The data to insert should be { name: 'John Doe', email: 'john@example.com' }.

Q4. Query data

Description:

* Query all users from the users table.
* Output each user's id, name, and email.

Q5. Update data

Description:

* Update the email of the user with id 1 in the users table to 'newemail@example.com'.

Q6. Delete data

Description:

* Delete the user with id 1 from the users table.