

Day 2

Node.js lab

1. Node.js and Express Setup:

- Set up a Node.js project.
- Install and configure Express.js.

2. CRUD Operations:

- Implement endpoints for Create, Read, Update, and Delete operations for users.
- Endpoints might include:
 - **POST /users** to create a new user.
 - **GET /users** to get all user.
 - **GET /users/:id** to get user details by ID.
 - **PUT /users/:id** to update user details by ID.
 - **DELETE /users/:id** to delete a user by ID.

3. Validation Middleware:

- Create middleware to validate the request body before adding to the database.
- Ensure that the request body follows the specified structure.
- Validate each field according to its type and constraints.

4. User Model:

- Define a user model with the following fields:
 - **firstName** (String)
 - **lastName** (String)
 - **email** (String, should follow email format)
 - **phoneNumber** (Number)