**React js – Frontend**1. Create the React App

* npx create-react-app incident-tracker-client
* cd incident-tracker-client

Frontend is live at: http://localhost:3000 /api/incidents

**Node js + Express js – Backend**

A **backend server** using Node.js and Express,

* Receives data from your React app
* Stores it in a **MySQL database**
* **Fetch or add incidents** through API endpoints

To run frontend manually on terminal -> npm start

Backend is live at: http://localhost:5000 /api/incidents

**Steps**npm init -y

Install the required packages**:** npm install express cors mysql2 dotenv

Create a .env file -> Mention database credentials & ports.

Create a db.js file -> Establishes a connection to the MySQL database using the environment variables from the .env file.

To run backend manually on terminal ->  **node server.js**(creates the express app, handling the endpoints, and listening to the backend port mentioned)

**Database – MySQL**1. Login to EC2 instance,

* Install docker
* Install Docker Compose

2. Create a project folder on EC2

* mkdir ~/<incident-tracker>
* cd ~/<incident-tracker>

3. Create a file called docker-compose.yml  
What it should do,

* Downloads the official MySQL 8 image
* Creates a container named <mysql\_db>
* Exposes MySQL on port 3306
* Sets root password
* Creating a database
* Stores data in a volume (mysql\_data) so it’s **not lost** if the container restarts

4. Verify MySQL is running : Sudo docker ps