Exercise 4: Pipeline Job - End-to-End CI/CD for a React Application

- 1. Objective: Implement a CI/CD pipeline for a React web application.
- 2. Steps:
- o Create a Pipeline Job.
- o Write a Jenkinsfile to:
- Clone the React project from GitHub.
- Install dependencies (npm install).
- Run tests (npm test).
- Build the project (npm run build).
- Deploy the application by copying the build folder to a deployment directory.
- o Add stages for:
- Linting using ESLint.
- Post-deployment testing using curl to verify the app is running.
- 3. Task: Run the pipeline and validate each stage's output.

