

Application is built using

- Typescript
- Apollo
- GraphQL
- Express
- MongoDB
- Docker-compose

1. TypeScript, Node, Mongo and Docker need to be present on the system.
2. Inside the directory, node modules can be installed first using
npm install
3. Run
docker-compose up -d
4. On first installation, it is possible that the database is not there.
 - a. For this, check if “Company” database is created on your localhost, port 27017 with “departments” and “peoples” collections.
 - b. If not, do the following steps:
 - i. Go to “**src/server.ts**” file
 - ii. Uncomment line 23 – **loadData();** - if it is commented
 - iii. Save the file
 - c. Run
npm run dev
 - d. This will get the database and collections created.
 - e. Stop the server
 - f. Comment out line 23 – **loadData();**
5. On second and further executions on same machine,
 - a. Simply make sure the generated mongo container is active. If not start it.
 - b. Run
npm run dev
 - c. Go to
http://localhost:8000/graphql
 - d. Execute different queries and mutations. Examples for available queries and mutations can be found in “QueriesAndMutations.pdf”
6. To run the tests,
npm test