

Part 1 - Setup:

- Initialize a new Spring Boot project with following required dependencies:
 - Spring Web
 - Spring Data JPA
 - MySQL Driver
 - H2 Database (for testing)
- Make sure you have created a database in MySQL.
- Configure your production MySQL DataSource with `application.properties` file.
- Change **pom.xml** H2 dependency to be active in test by changing:
`<scope>runtime</scope> → <scope>test</scope>`
- Create resources directory in test directory.(Should come up as a suggestion once you right click test folder)
- Configure your H2 database with an `application.properties` file added in the resource folder under the test folder. (will override the other `application.properties` file for your tests.)
- Verify that you application starts without errors.
- Make a commit in Git history.