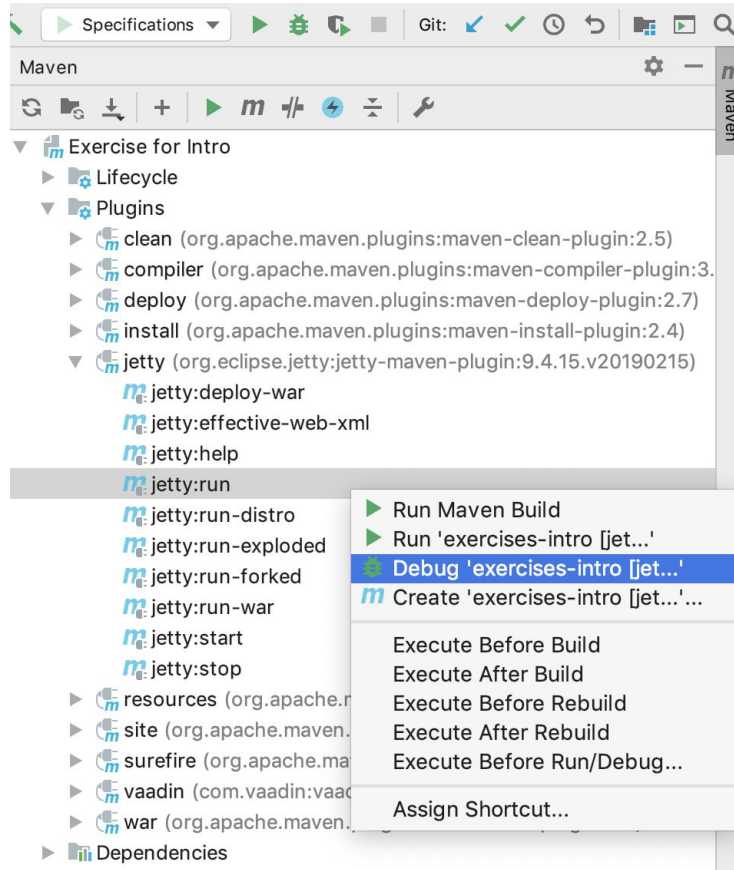
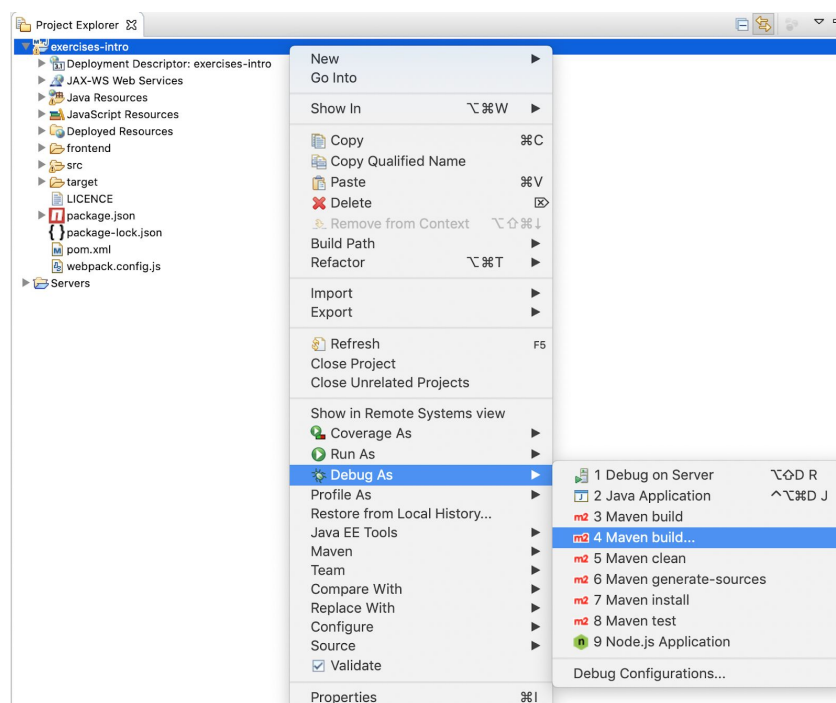


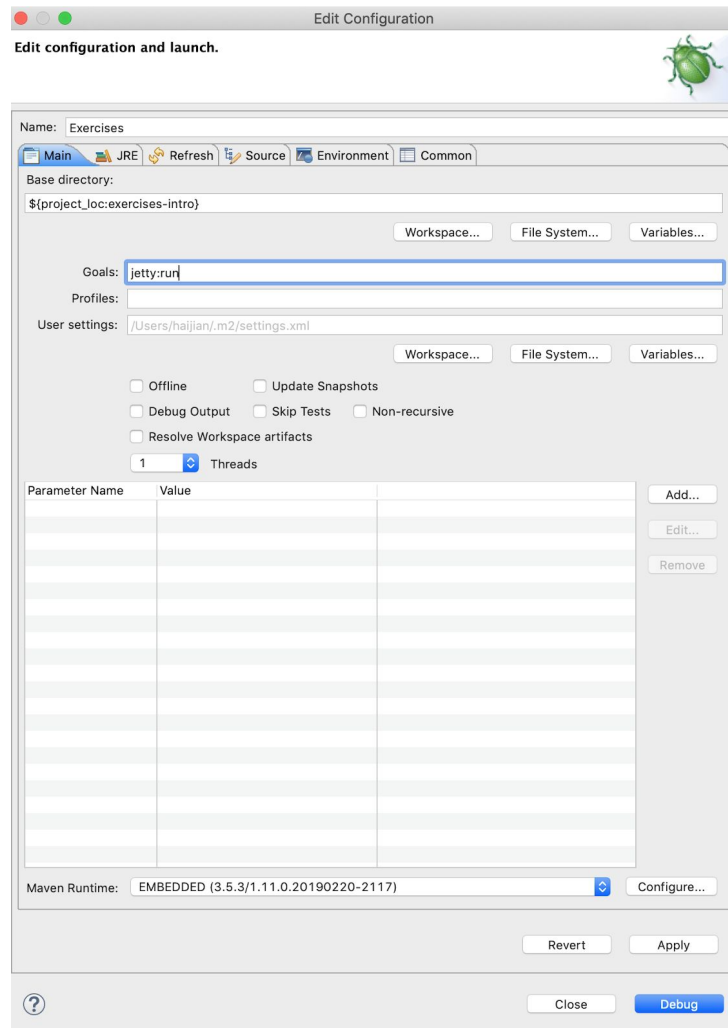
Instructions

1. Import the Maven project to your Favourite IDE.
2. Run the Maven goal jetty:run
 - a. If you have command line Maven installed you can run mvn jetty:run in terminal OR
 - b. Debug or run the application in IntelliJ



- c. Debug or run the application in Eclipse





3. Go to localhost:8080

Exercise

Sometimes we need to develop a multilingual application so that the user could choose a language to use, and the text on the page will be updated accordingly.

In this exercise, you will use a `I18NProvider` to localize the `MainView`.

Things you'll need to do in your application:

1. Update `button.setText()` and `Notification.show()`, instead of using string literals, use `getTranslation` method instead. A resource bundle is provided, you can use the keys there.
2. Add a value change listener to the `localeComboBox`, so that it will update the locale in `VaadinSession` every time the value is changed.
3. Let the `LocalizationView` implement the `LocaleChangeObserver`, so that every time the locale changes, the text on the page will be changed. Inside the `localeChange()` method, you only need to update the text of the button.
4. Now we also need to let the application use the `TranslationProvider`, which is a `I18NProvider`. For this, you need to create a custom servlet, e.g. `ApplicationServlet`.
 - a. It should extend from `VaadinServlet`.
 - b. It should have a `@WebServlet` annotation
 - c. Inside the `@WebServlet` annotation, define the value for `urlPatterns` parameter to be `"/*,"` so that the servlet will be mapped the root.
 - d. Inside the `@WebServlet` annotation, define the value for `initParams` parameter to include a `@WebInitParam`, the name parameter for `@WebInitParam` should be `Constants.I18N_PROVIDER`, the value should be a string, which is the full path of the `TranslationProvider`.
5. Now it's done, restart your application, you will see that every time you change the value of the locale combobox, the text on the page will be updated.