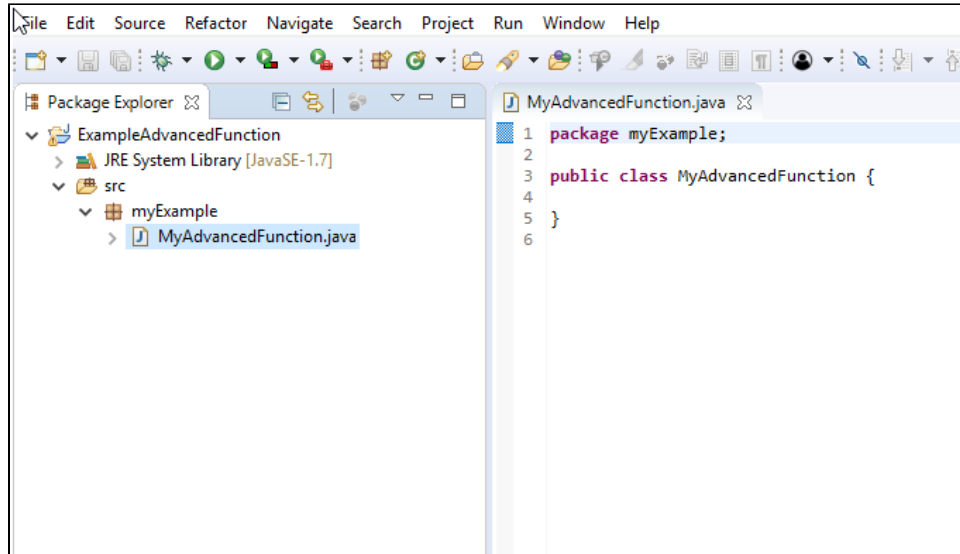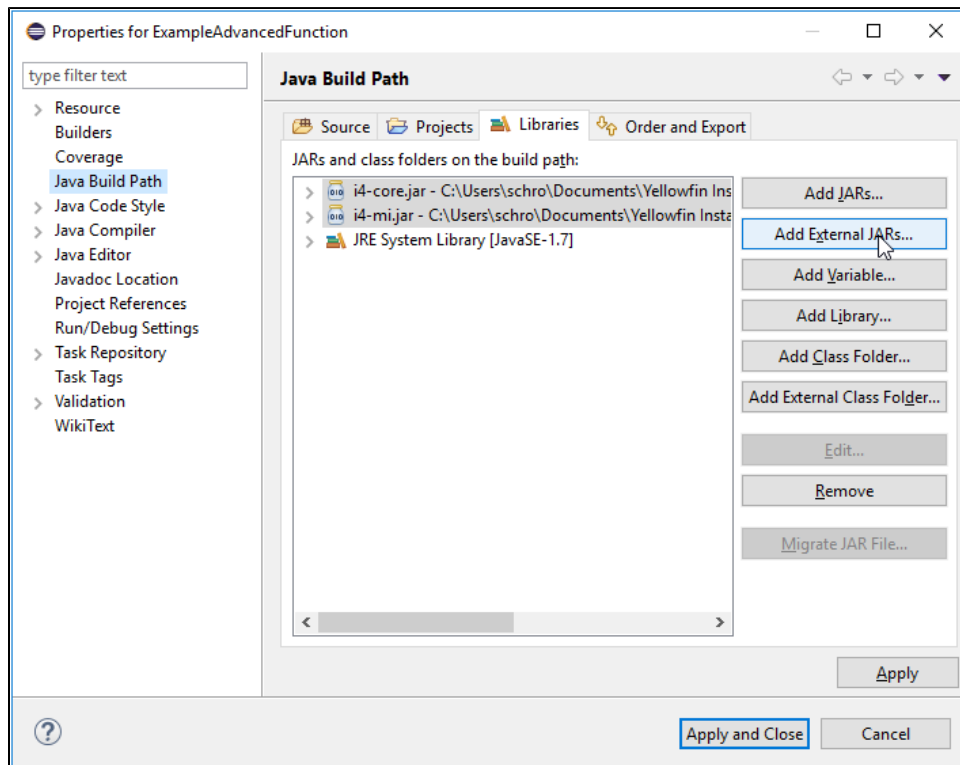# Advanced Function Basics

This section depicts a basic process of how an advanced function is created to be used in a Yellowfin report.

Note: Our example uses Eclipse to create an advanced function.

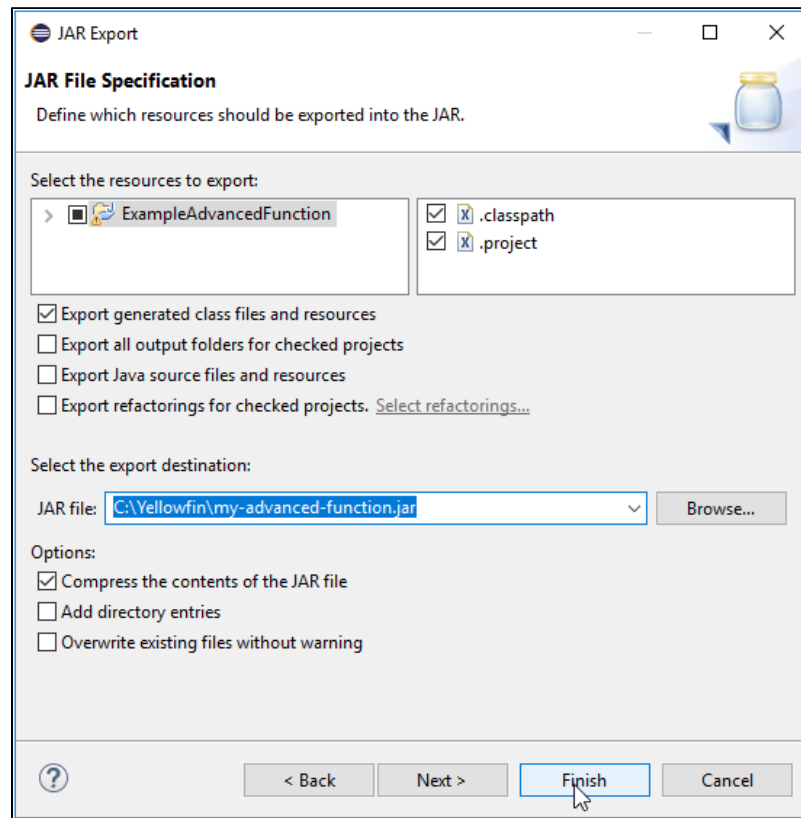1. Create a new Java project and class.

2. Add the required jar files to your build path. In order to compile an advanced function, you will need to include **i4-core.jar** and **i4-mi.jar** files into the build path. These can be found in your *<YellowfinDirectory>/appserver/webapps/ROOT/WEB-INF/lib/* folder.
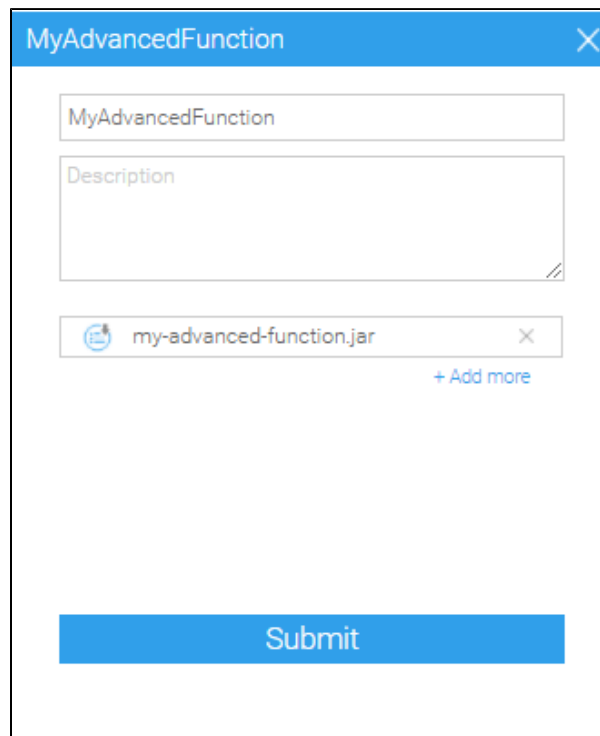

3. Set your class to extend AnalyticalFunction and add the unimplemented methods.

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4. Code your advanced function. See example of a basic accumulative total advanced function.
5. Compile this into a jar file. For compatibility purposes, we recommend that you compile this with Java 7 JDK. If your function uses dependent libraries, you will need to place all of the jar files into a single folder, compress it into a .zip format, and then change the extension of that file to **.yfp**.

6. Load your advanced function through Yellowfin's plug-in manager.

7. Once the advanced function has loaded, it will be immediately available for use in a report.

Previous topic: Overview
Next topic: Advanced function creation