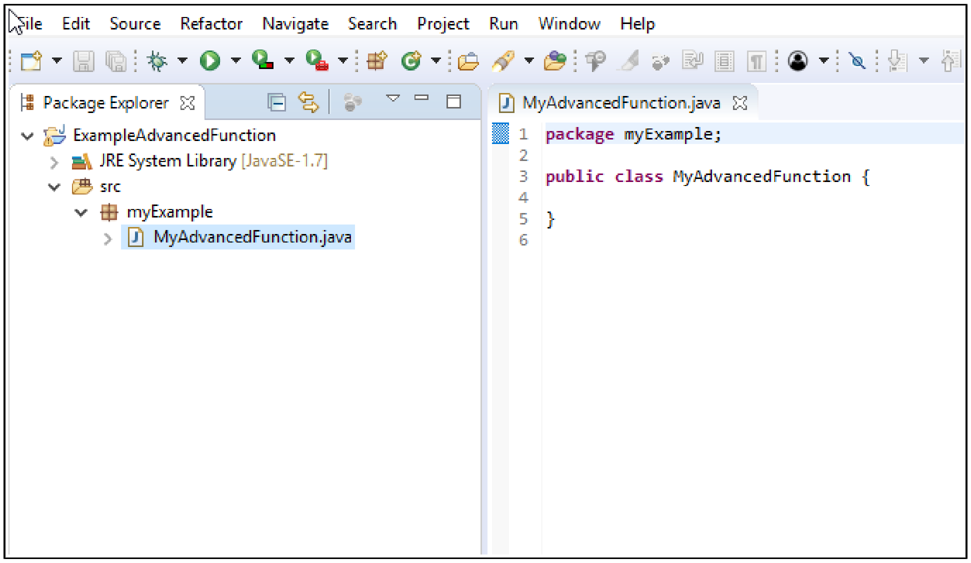
Advanced Function Basics

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.

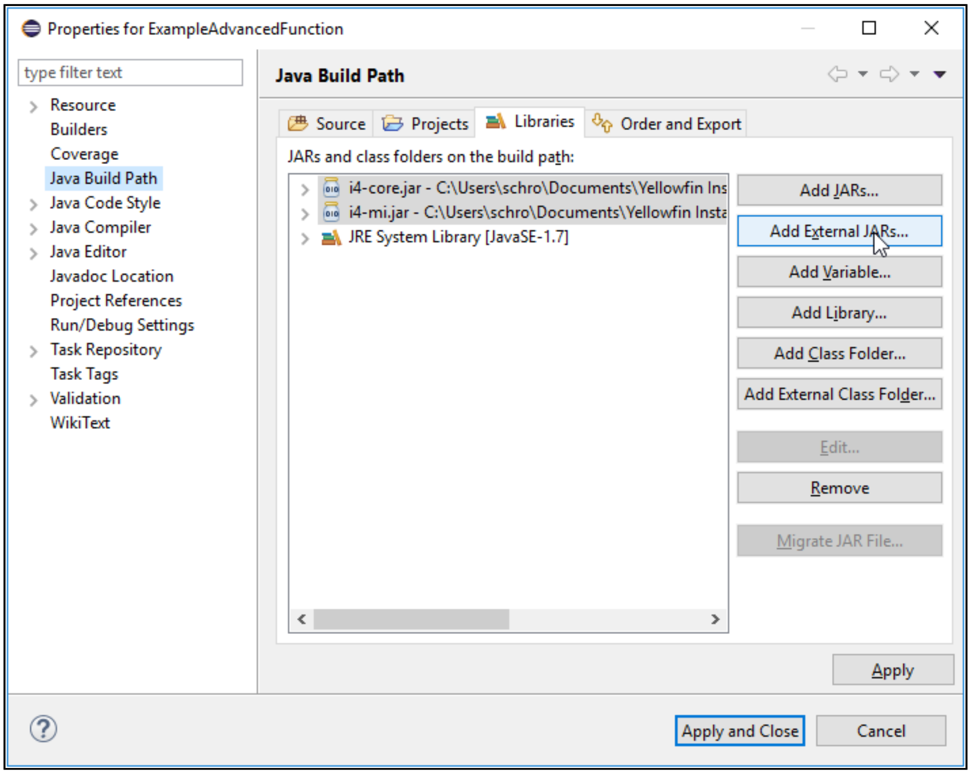


```
package myExample;

public class MyAdvancedFunction {

}
```

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.



JARs and class folders on the build path:

- i4-core.jar - C:\Users\schro\Documents\Yellowfin Ins
- i4-mi.jar - C:\Users\schro\Documents\Yellowfin Insta
- JRE System Library [JavaSE-1.7]

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

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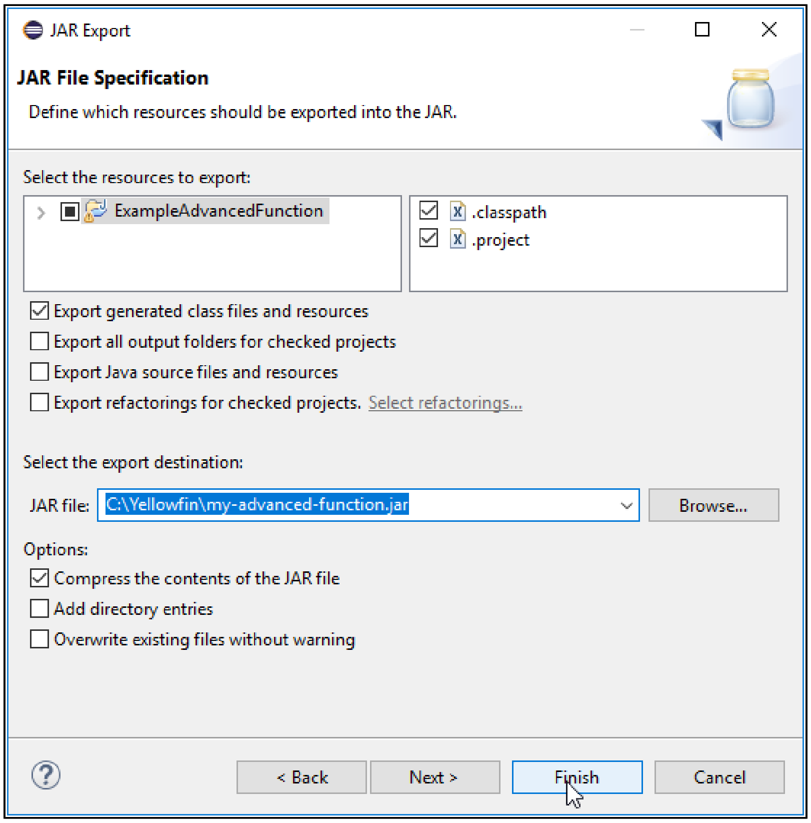
4. Code your advanced function. See example of a basic accumulative total advanced function.
5. Compile this into a jar file. For compatibility purposes, we recommend that you compile this with Java 7 JDK. If your function uses dependent libraries, you will need to place all of the jar files into a single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



JAR Export

JAR File Specification

Define which resources should be exported into the JAR.

Select the resources to export:

- ■ ExampleAdvancedFunction
- ☑ .classpath
- ☑ .project

☑ Export generated class files and resources

☐ Export all output folders for checked projects

☐ Export Java source files and resources

☐ Export refactorings for checked projects. Select refactorings...

Select the export destination:

JAR file: C:\Yellowfin\my-advanced-function.jar

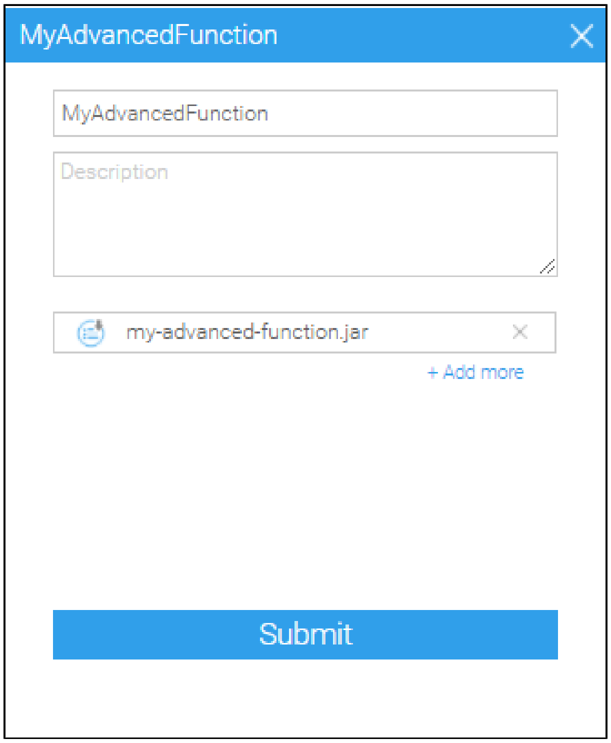
Options:

☑ Compress the contents of the JAR file

☐ Add directory entries

☐ Overwrite existing files without warning

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



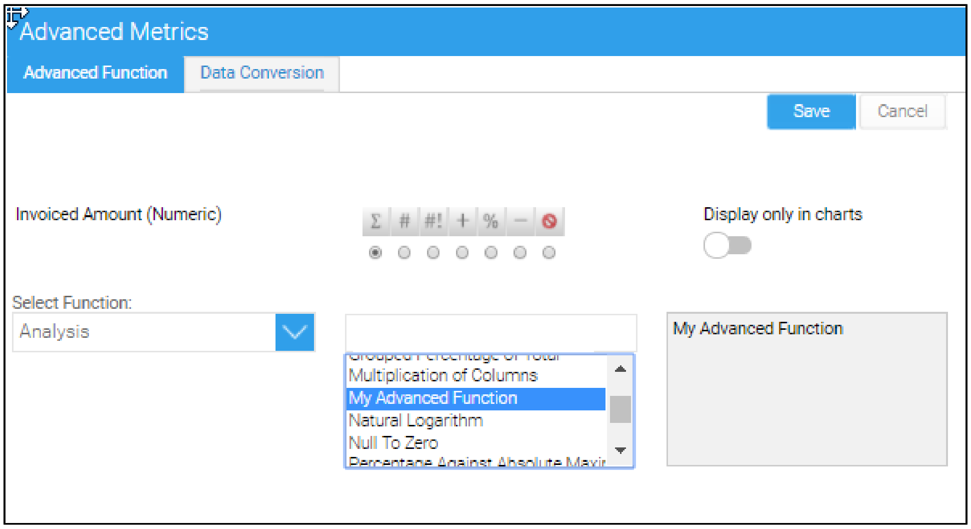
MyAdvancedFunction

MyAdvancedFunction

Description

my-advanced-function.jar

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



Invoiced Amount (Numeric)

Display only in charts

Select Function: Analysis

My Advanced Function

Previous topic: Overview
Next topic: Advanced function creation