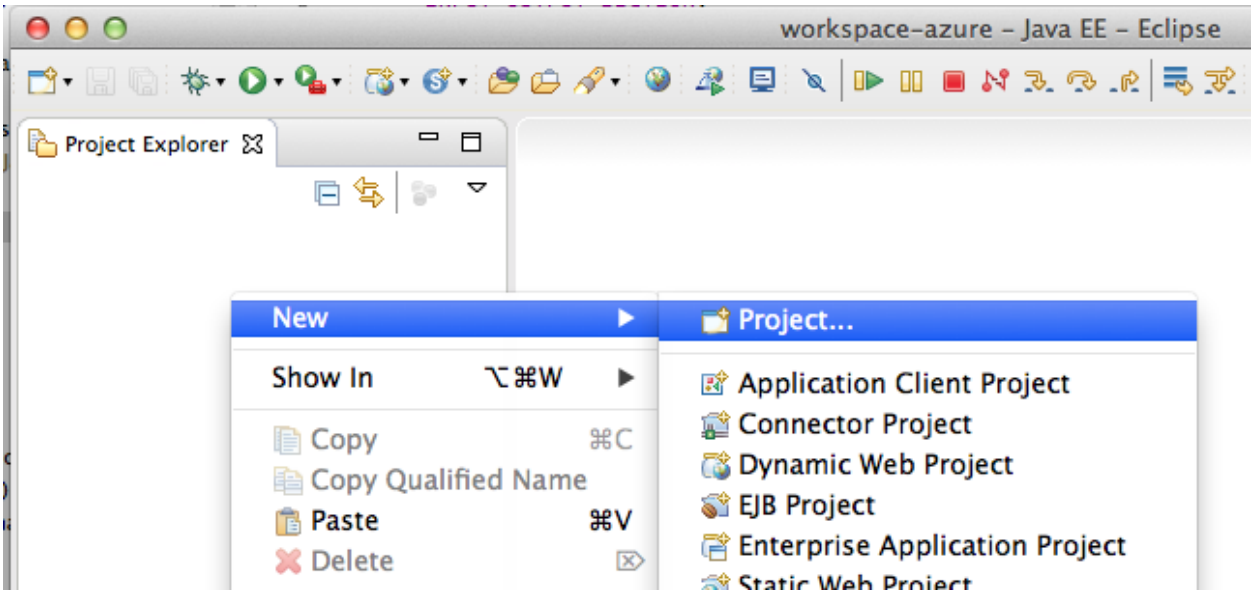
2. Building the sample EBP project for Azure

You can view an example of the steps required in video form
here https://youtu.be/ouCPWu4QkBs and here https://youtu.be/RmbbWhSpDZY

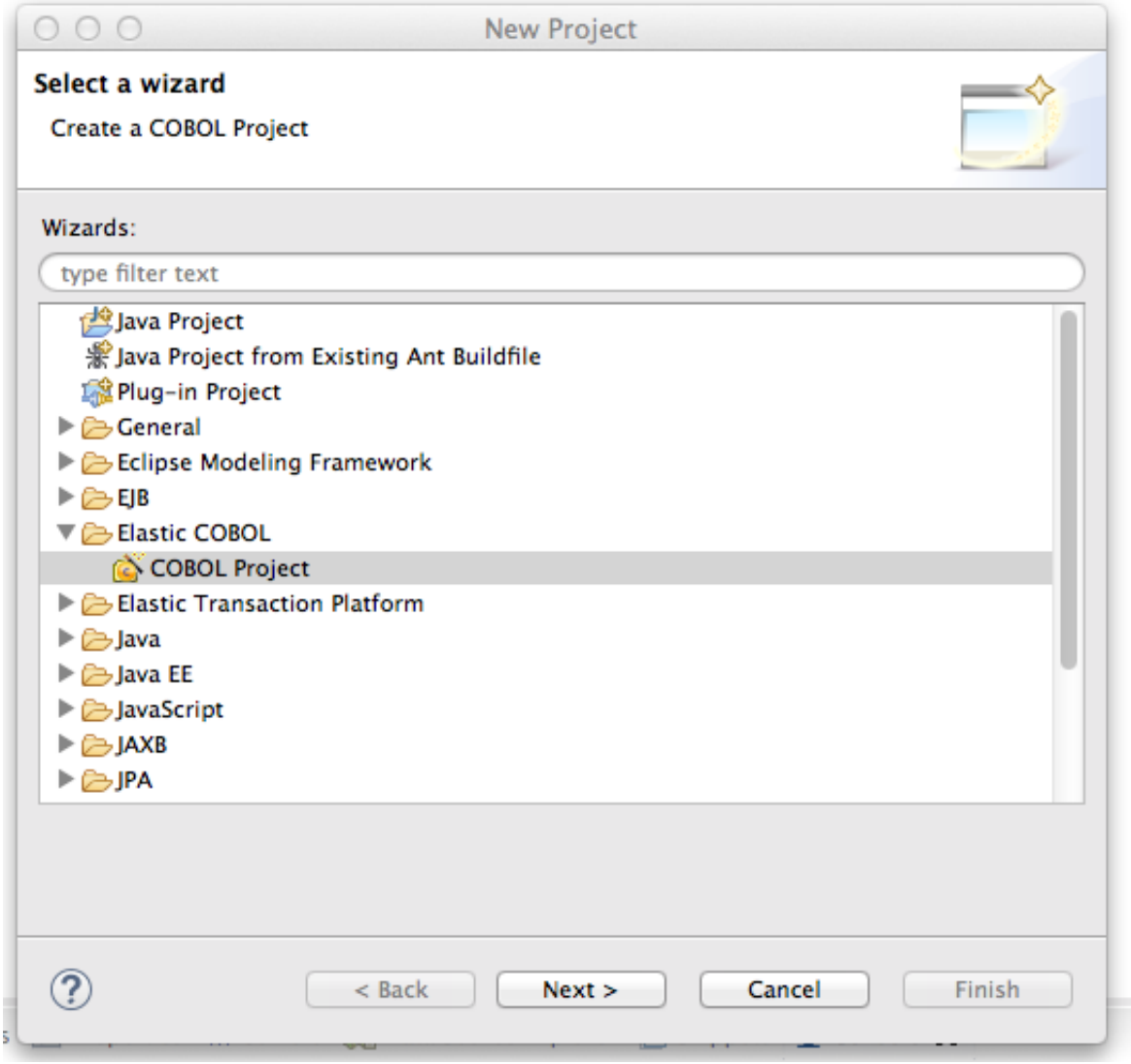
Download and install Eclipse for J2EE from here : http://www.eclipse.org/downloads/
Log into paas.heirloomcomputing.com and download our plugin, following instructions there for installation and license placement

Download Sample Source bundle from here:
Open Eclipse

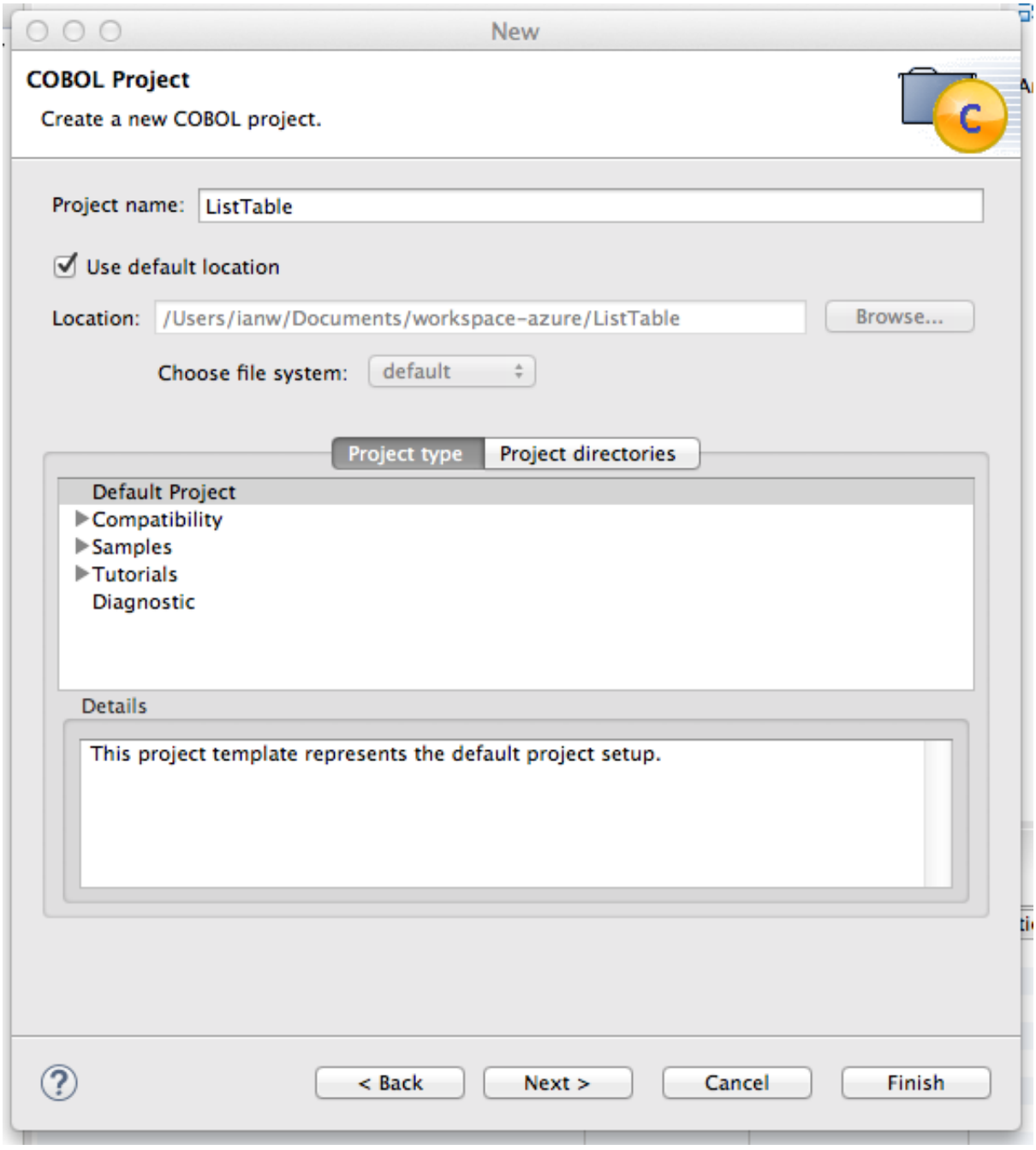
Right click the Project Explorer and select New->Project… :



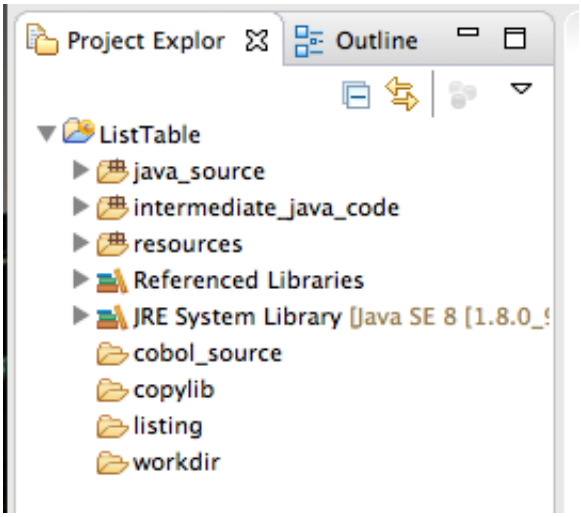
Choose COBOL Project and click Next:



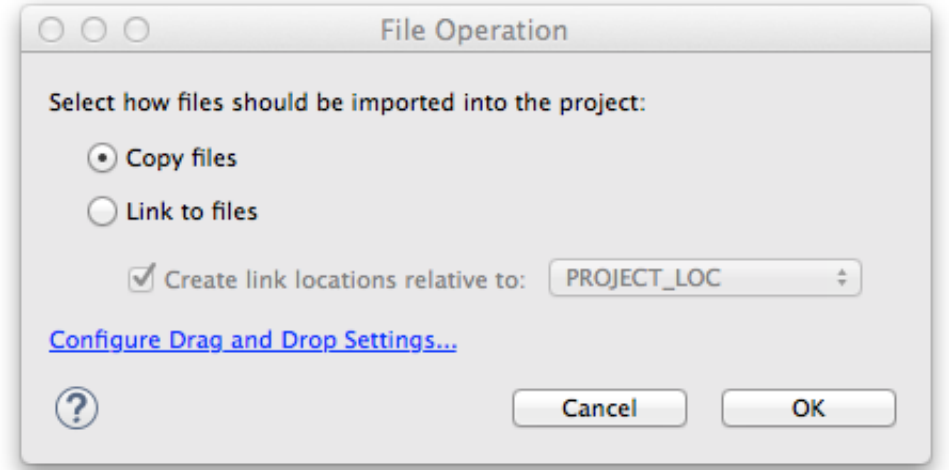
Name the project ‘ListTable’ , select ‘Default Project’ under Project Type and click Finish:



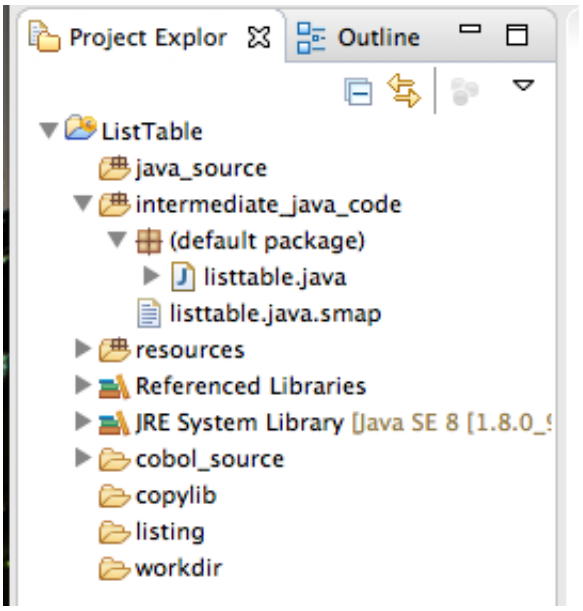
Expand the ListTable project:



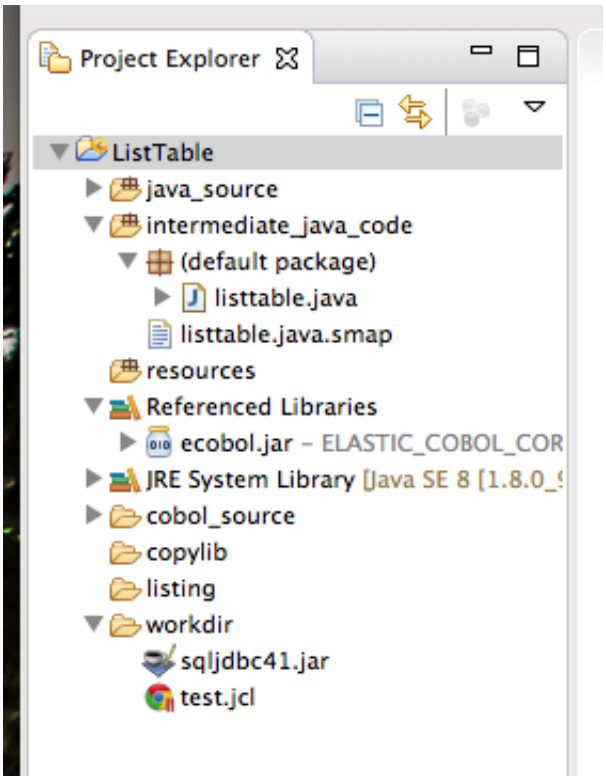
From your source bundle drag the ListTable.cbl file into the cobol_source folder and choose to 'Copy files' and click OK:



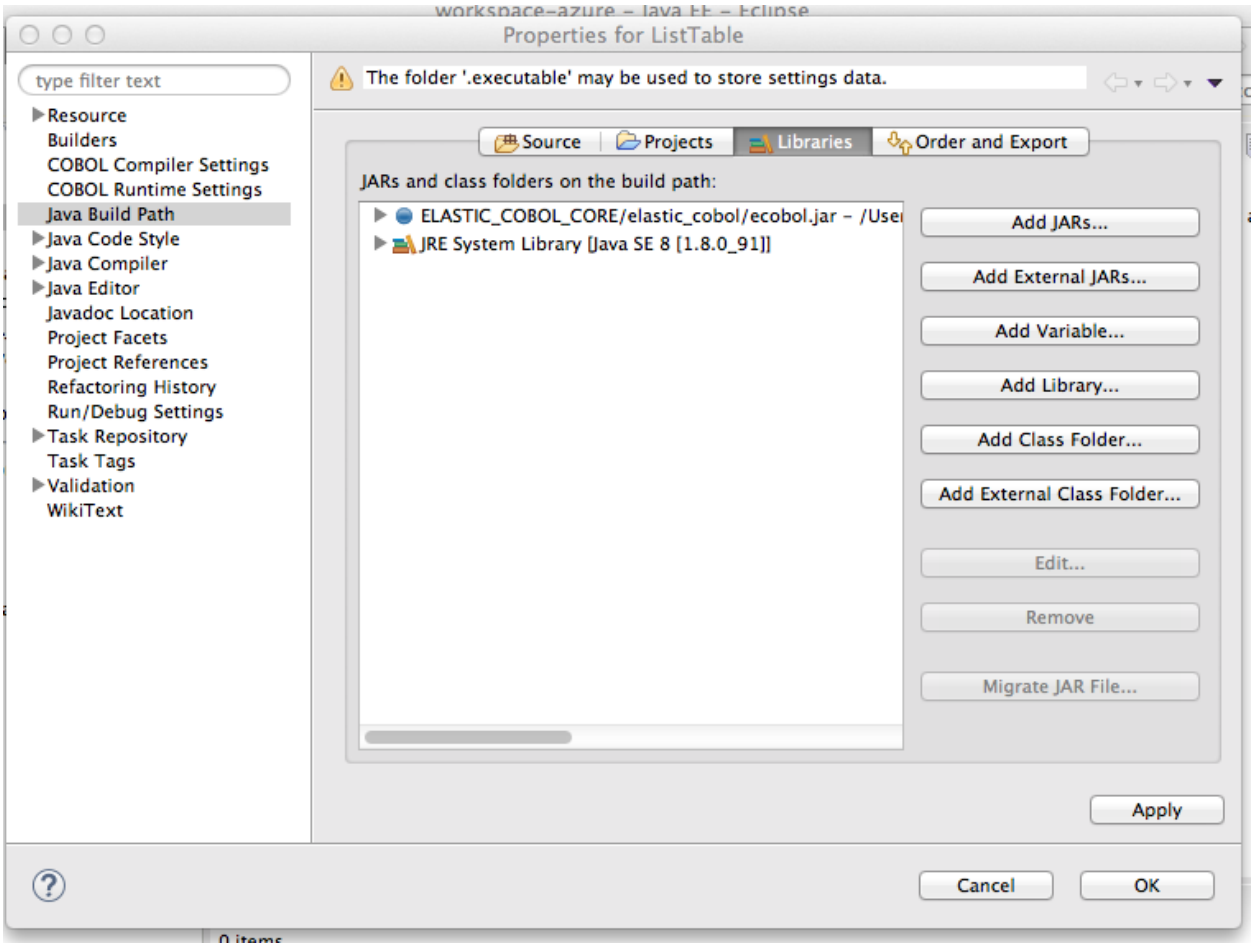
Expand the intermediate_java_code folder and note that Java has been generated from the COBOL:



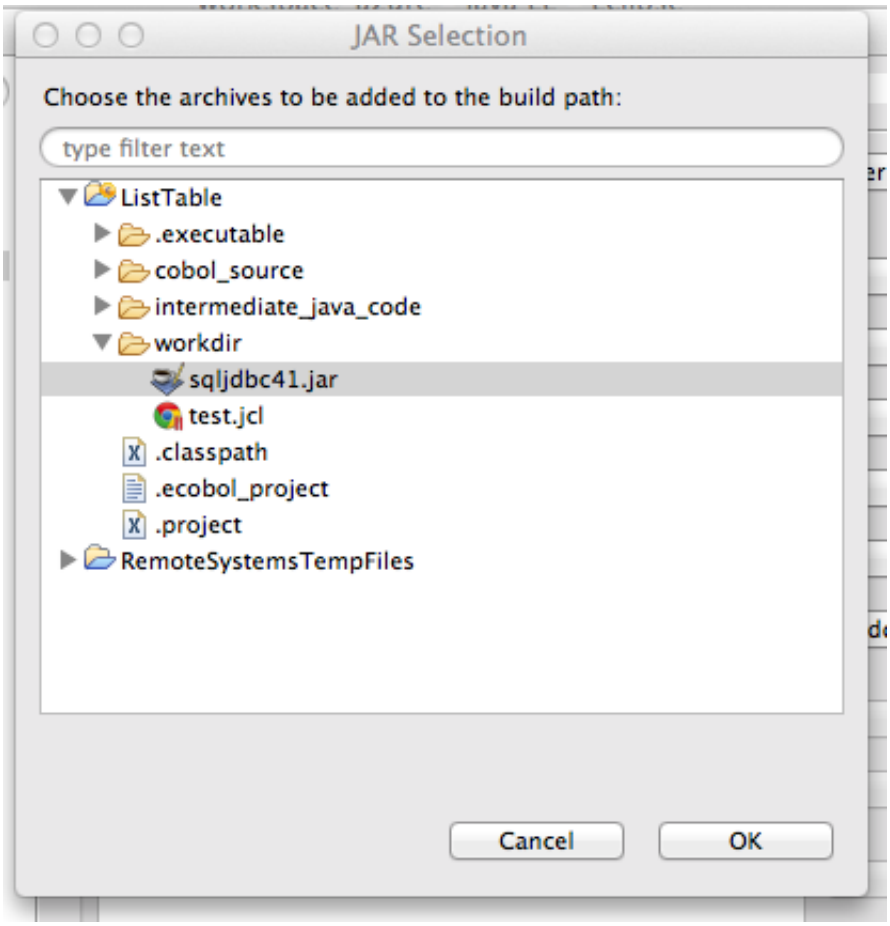
Drag the file test.jcl into the workdir folder and sqljdbc41.jar into the workdir folder, again choosing to ‘Copy files’ :



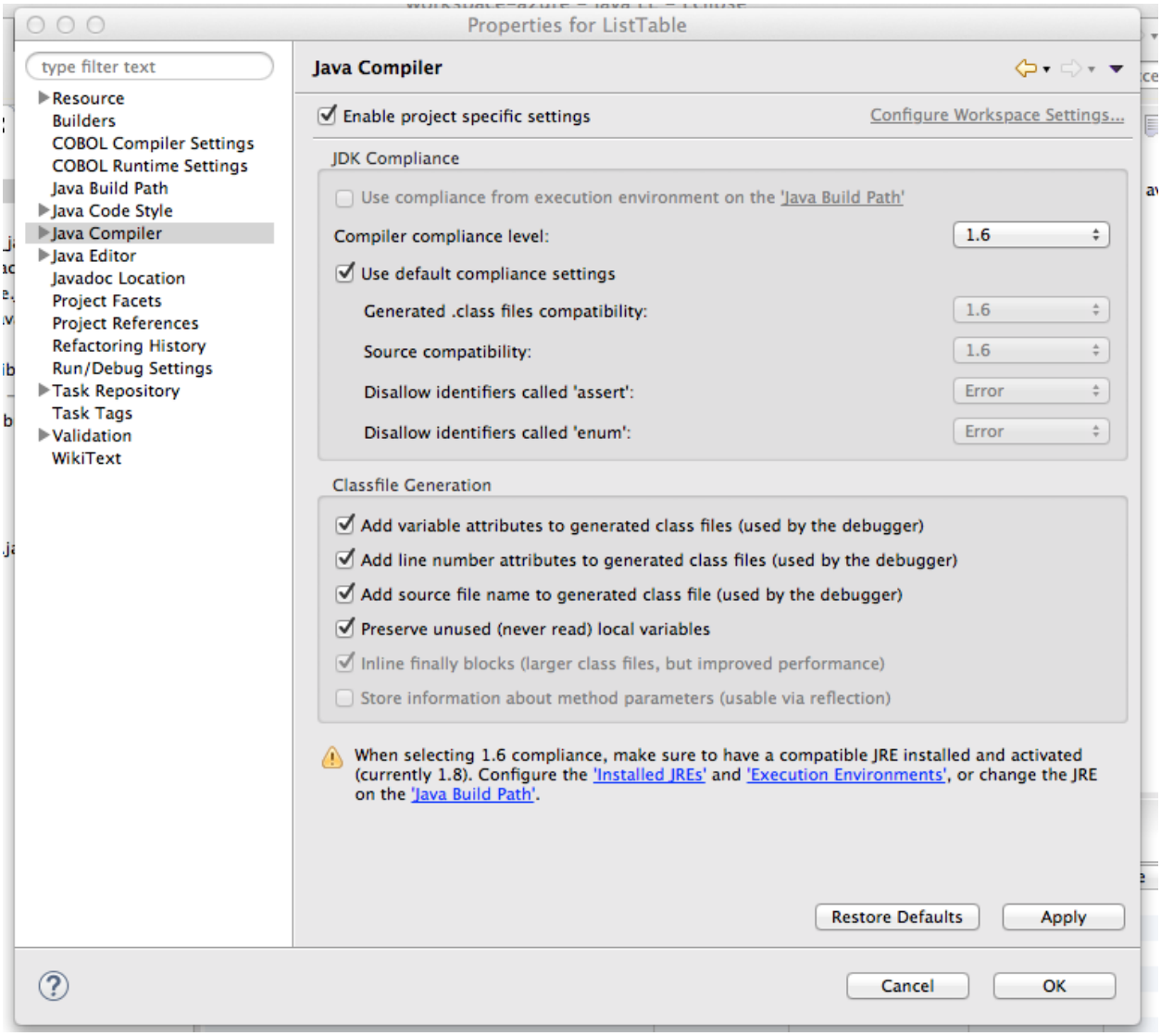
Right click the ListTable Project and choose properties,then click ‘Java Build Path':



Click ‘Add JARS’ and expand the ListTable project to the workdir, select sqljdbc41.jar and click OK:

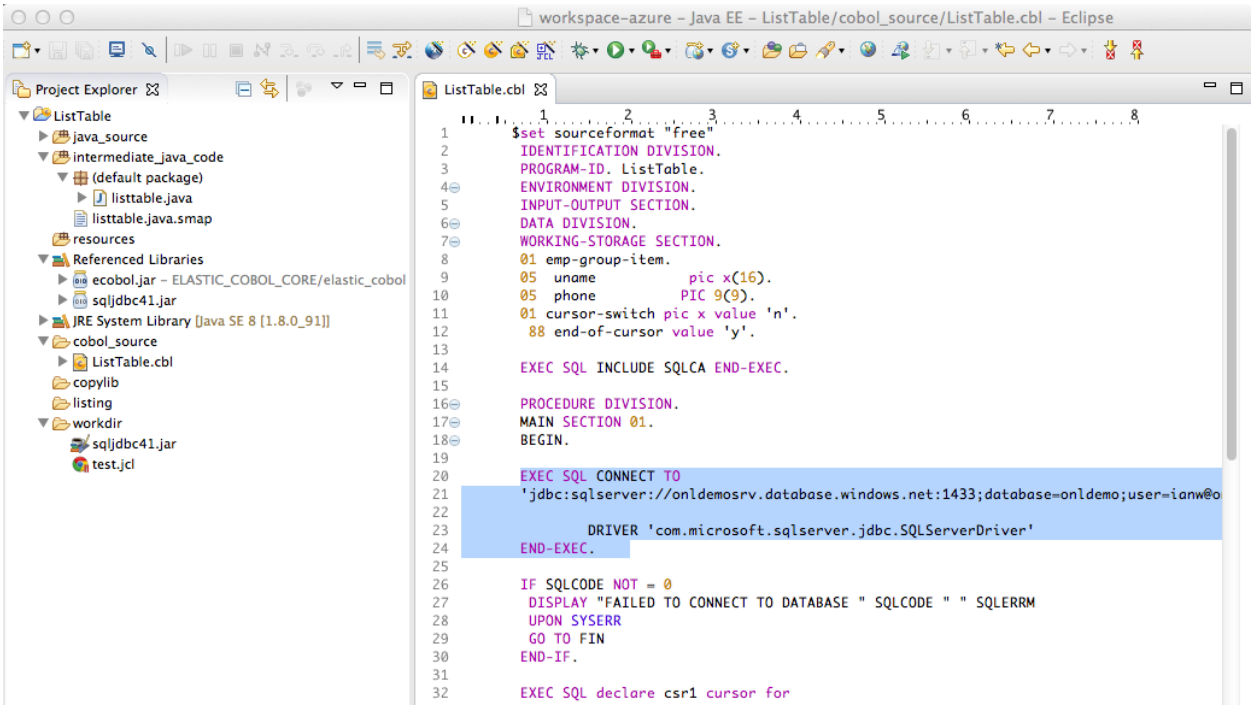


Click ‘Java Compiler’ , check ‘Enable project specific settings’ and choose 1.6 and the Compiler compliance level:

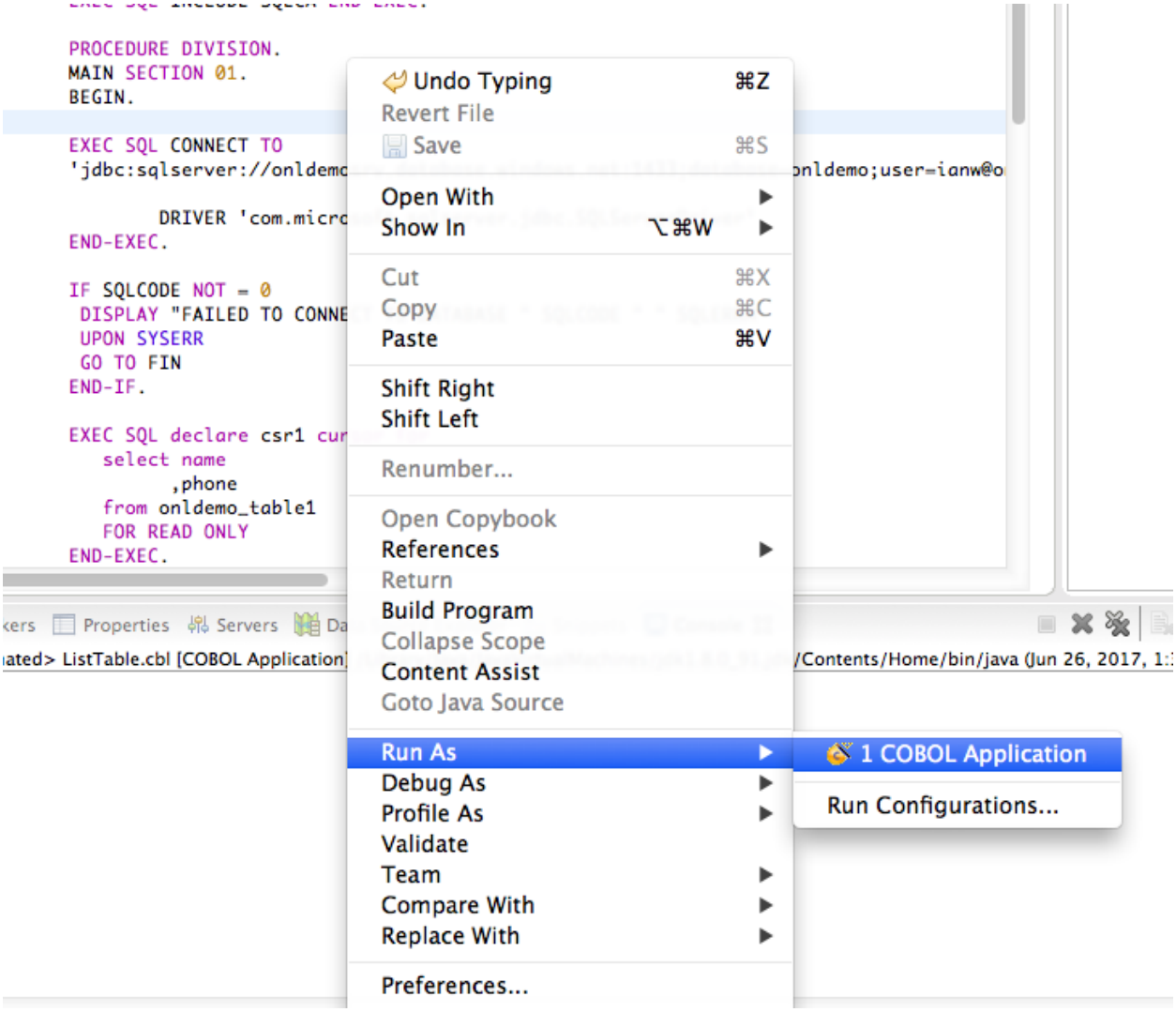


Click OK, then click Yes to perform a project rebuild.

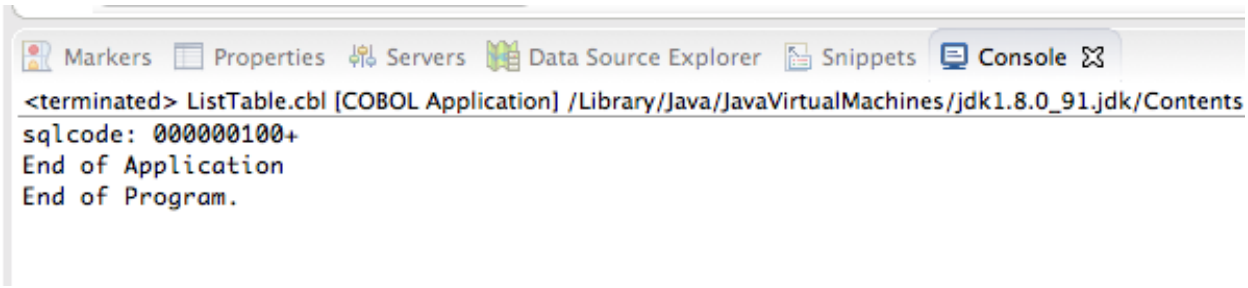
Open the cobol_source folder , double click ListTable.cbl to bring up the source code. Edit the jdbc driver information with the jdbc connection string you copied from the Azure SQL database properties. Remember to add in the user and password:



Save ListTable.cbl.
Right click the source code and choose ‘Run As->1 COBOL Application’ :

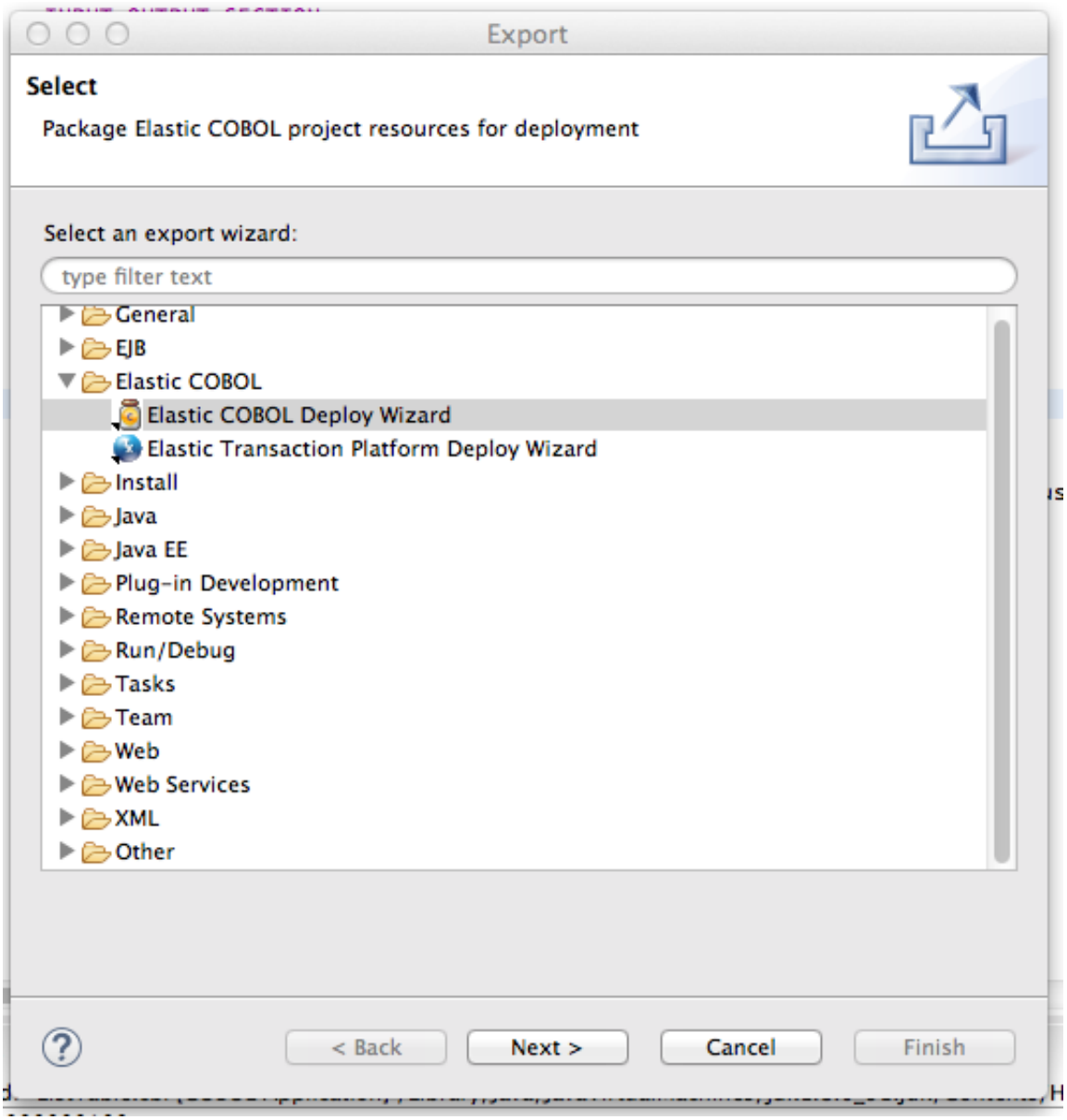


If you have set up the database and table you should see a SQL Code 100 in the console window:

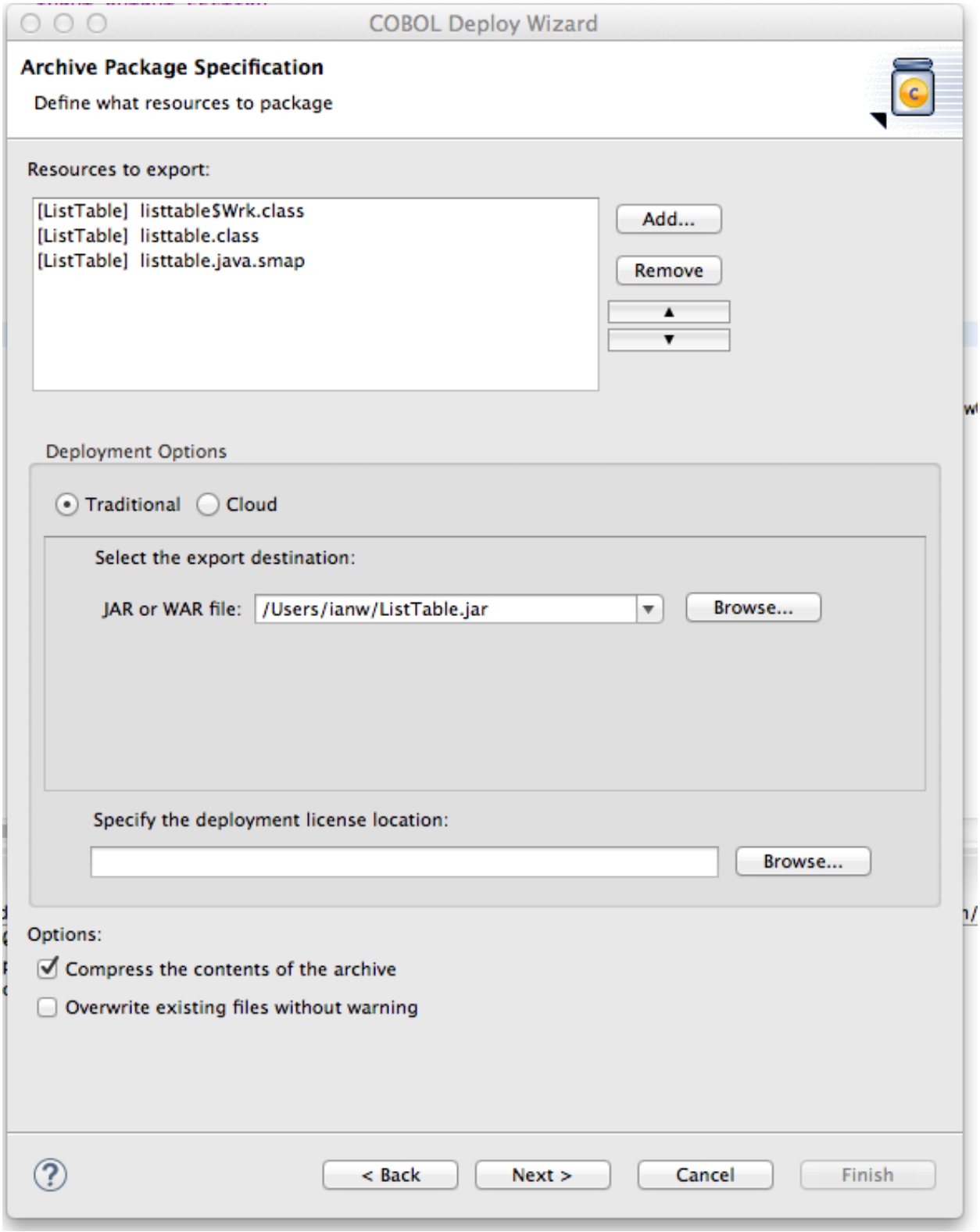


This confirms the program will work correctly after it is exported and run under EBP.

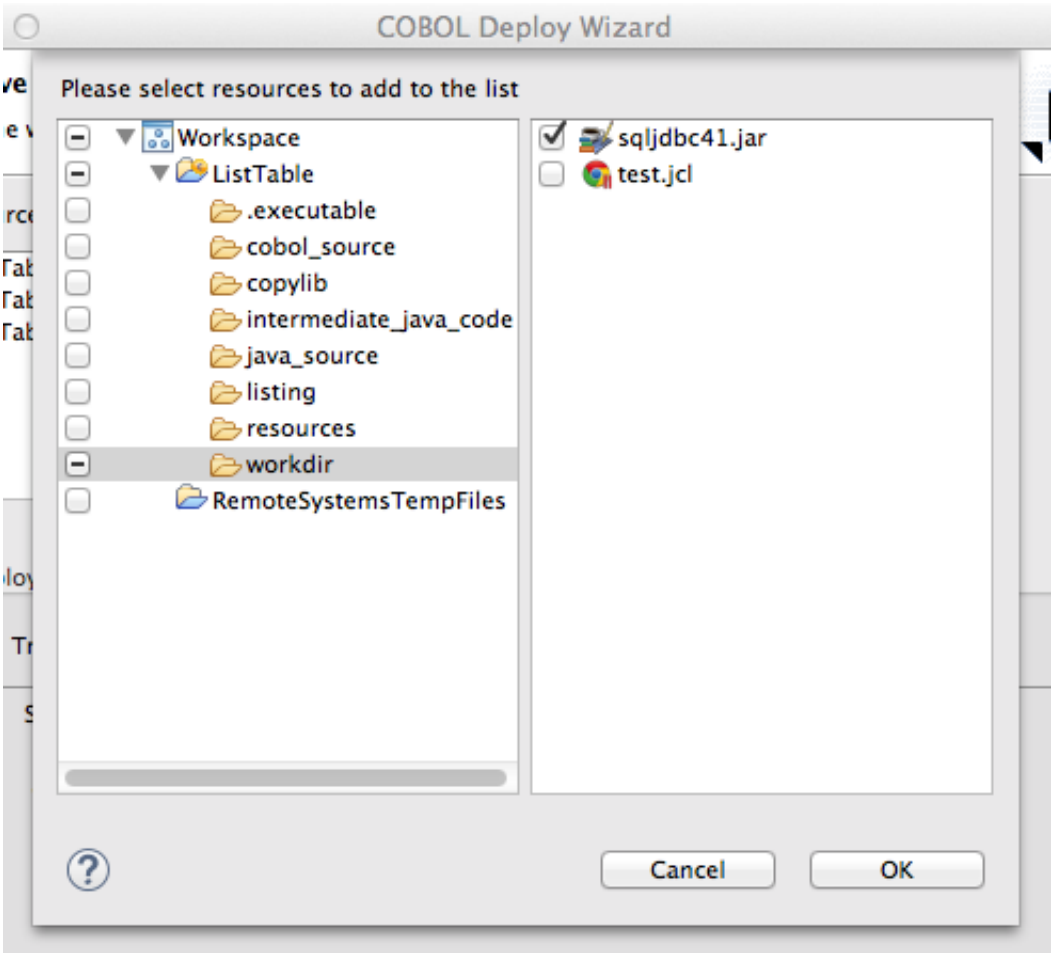
To export this application so it is ready to deploy to EBP later on, right click the ListTable project and choose ‘Export’:



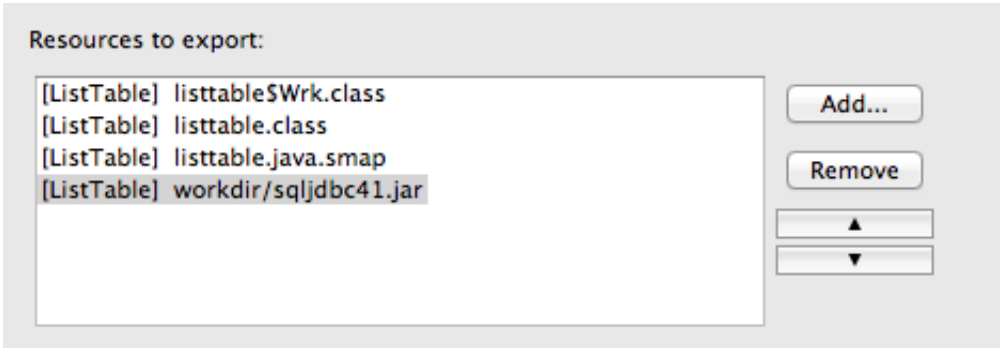
Choose Elastic COBOL Deploy Wizard and click Next:


COBOL Deploy Wizard
Archive Package Specification
Define what resources to package
Resources to export:
[ListTable] listtable$Wrk.class
[ListTable] listtable.class
[ListTable] listtable.java.smap
Add...
Remove
Deployment Options
Traditional
Cloud
Select the export destination:
JAR or WAR file:
/Users/ianw/ListTable.jar
Browse...
Specify the deployment license location:
Browse...
Options:
Compress the contents of the archive
Overwrite existing files without warning
< Back
Next >
Cancel
Finish

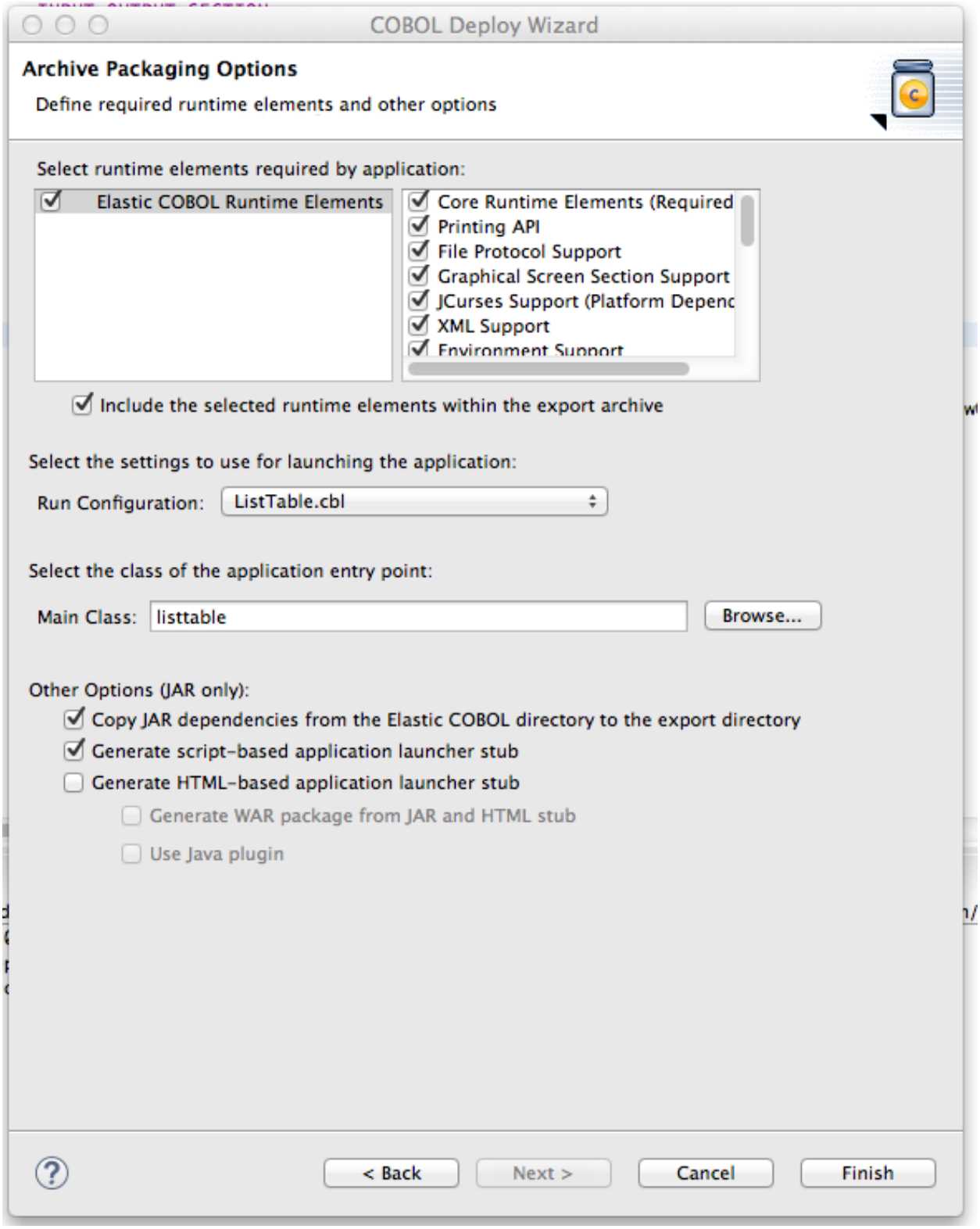
File in the name of the file to export (seen here is /Users/ianw/ListTable.jar) and click ‘Add..’ at the top to add the SQL driver to the export.
Open the workspace/project and workdir folder and select the sqljdbc41.jar, then click OK:



This will add the driver to the export list:



Click Next:


COBOL Deploy Wizard
Archive Packaging Options
Define required runtime elements and other options
Select runtime elements required by application:
Elastic COBOL Runtime Elements
Core Runtime Elements (Required
Printing API
File Protocol Support
Graphical Screen Section Support
JCurses Support (Platform Depenc
XML Support
Environment Support
Include the selected runtime elements within the export archive
Select the settings to use for launching the application:
Run Configuration:
ListTable.cbl
Select the class of the application entry point:
Main Class:
listtable
Browse...
Other Options (JAR only):
Copy JAR dependencies from the Elastic COBOL directory to the export directory
Generate script-based application launcher stub
Generate HTML-based application launcher stub
Generate WAR package from JAR and HTML stub
Use Java plugin
< Back
Next >
Cancel
Finish

Click Finish, the jar file will be created.
Minimize the ListTable project and close the ListTable.cbl source file: