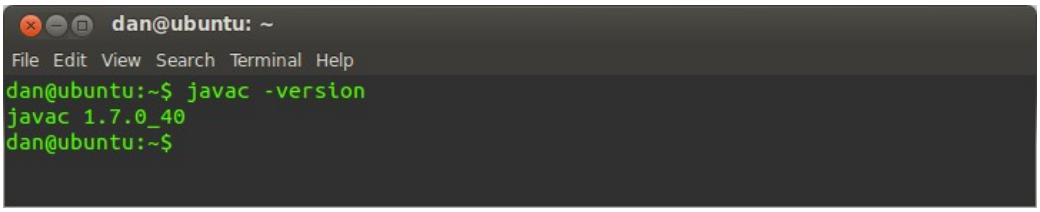
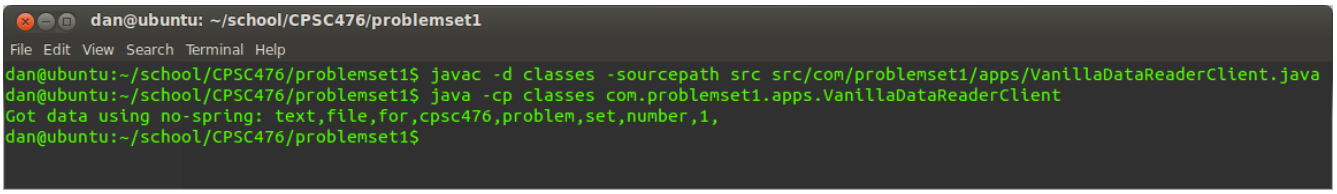
CPSC 476 Problemset 1
Daniel Jordan
daniel_jordan@csu.fullerton.edu

1. Download and install a Java 7 JDK. Verify that it works by running javac -version.

JDK downloaded from Oracle's website

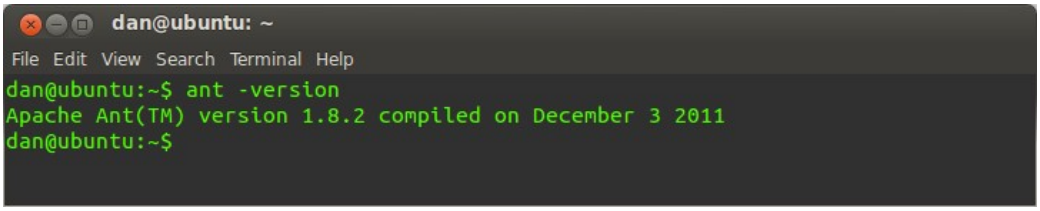


2. Type in the Java code for VanillaDataReaderClient and friends from the Object Coupling Problem section of *Just Spring* Chapter 1 and convince it to build and run successfully from the command line.

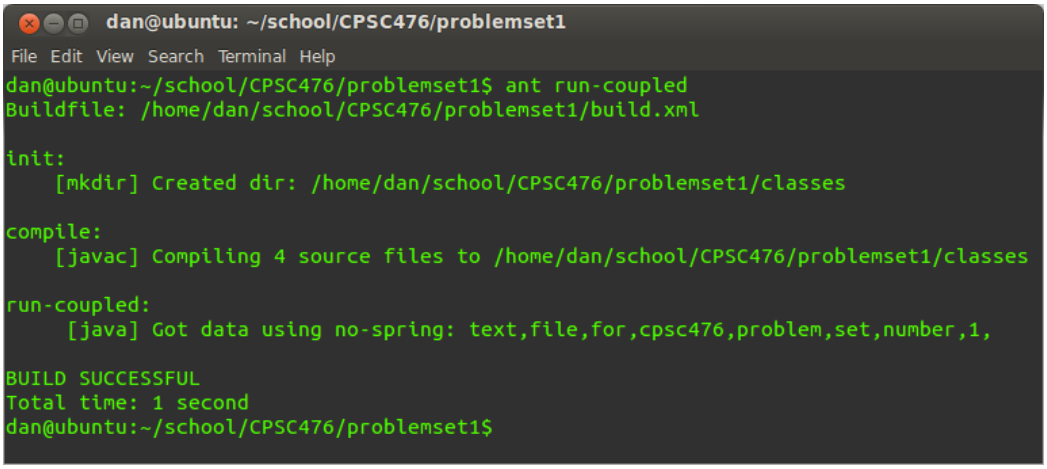


3. Download and install Apache Ant 1.9.2. Verify that it works by running ant -version.

I downloaded Ant through Ubuntu repositories with “sudo apt-get install ant”



4. Create an Ant build.xml to build and run VanillaDataReaderClient.

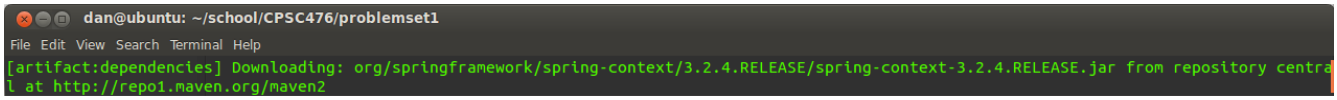


5. Download and install the Maven Ant Tasks. Read about the Dependencies task, then create an Ant build.xml to install Spring Framework 3.2.4.RELEASE.

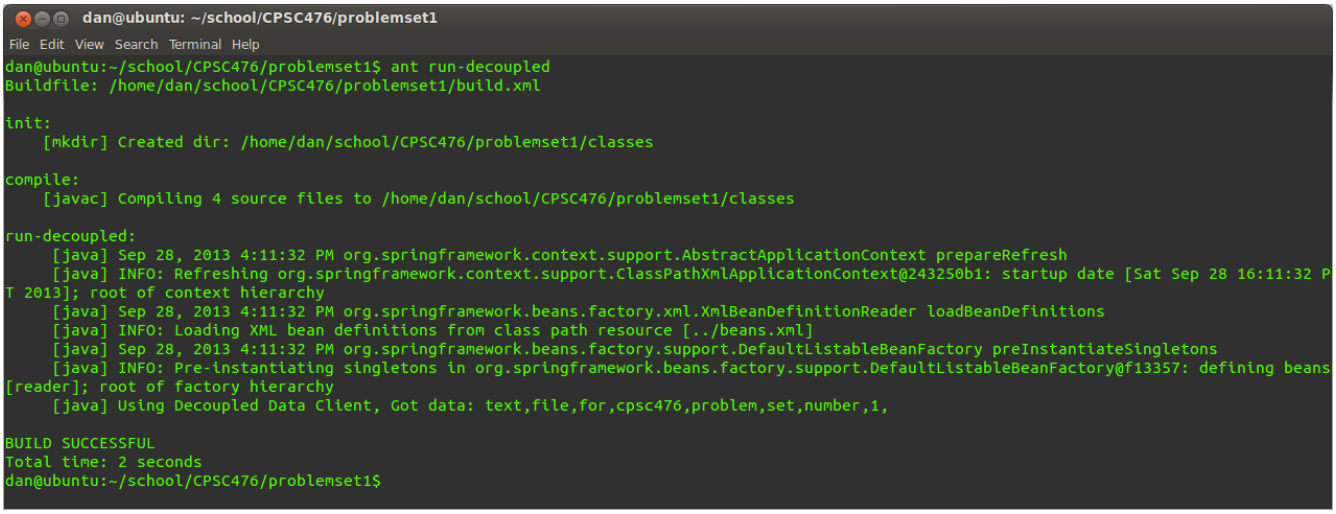
Maven task to download spring 3.2.4. XML namespace defined by antlib:org.apache.maven.artifact.ant.

```
<target name="init">
    <mkdir dir="${classes}" />
    <artifact:dependencies pathId="dependency.classpath">
        <dependency groupId="org.springframework"
                    artifactId="spring-context"
                    version="3.2.4.RELEASE"/>
    </artifact:dependencies>
</target>
```

Maven downloading dependencies, including spring-context-3.2.4.RELEASE.jar.

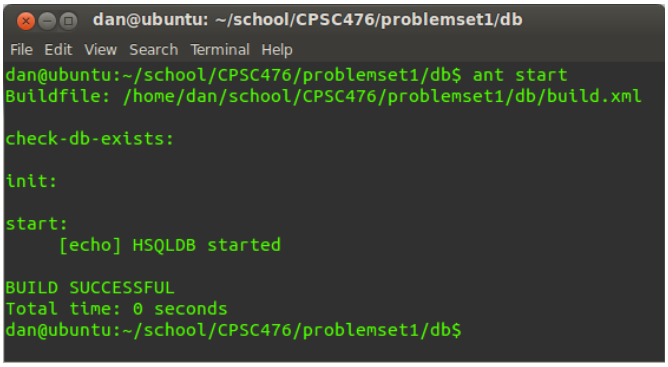


6. Type in the Java code for DecoupledDataReader and friends from the Introducing Spring section of Just Spring Chapter 1 and add compile and run targets to your build.xml file.

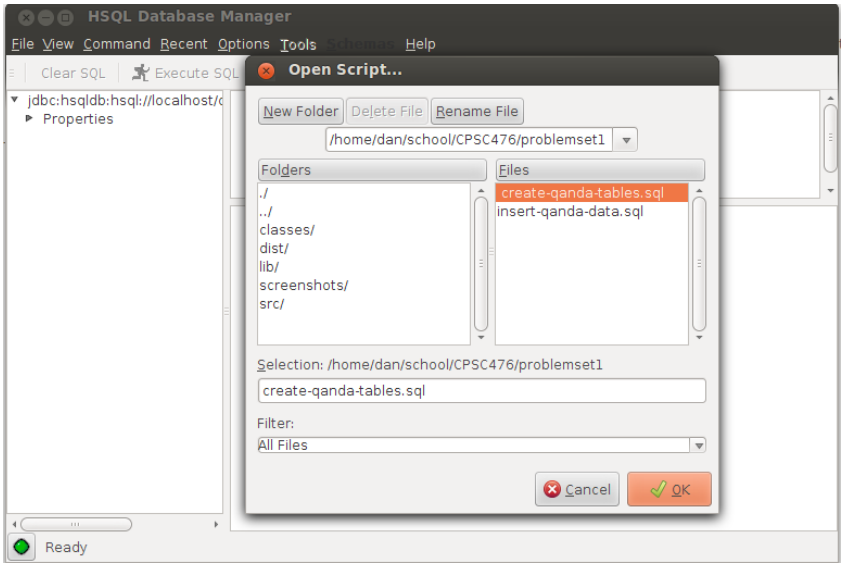


7. Download create-qanda-tables.sql, insert-qanda-data.sql, and the CPSC 476 HSQLDB Package. Extract the package, start the database, and populate it. Keep this database for use with Problem Set 2.

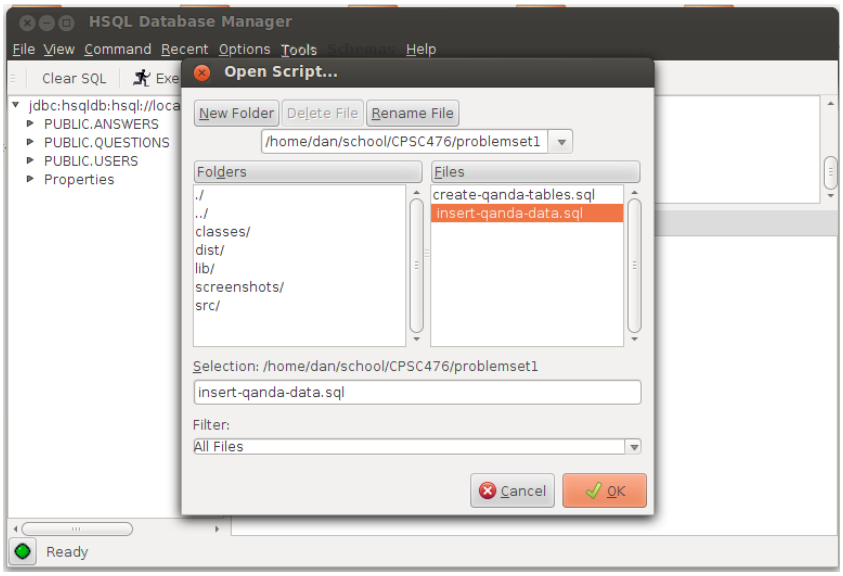
Starting the database



Creating the database



Populating database



Verifying data in database