CompilerJDK-8.zip contains all of the compiler java code for the X language, along with the test cases

Note that X source code programs have the extension .x (e.g. factorial.x) The compiled (bytecode) version for the .x file will have the extension .cod added (e.g. factorial.x.cod)

The compiler debug output (tokenized files, AST's, Decorated AST's) will be printed on the screen (you might want to re-direct output to a file)

## Steps for compiling on a pc using Netbeans:

1. Unzip the archive, maintain the directory structure

2. Create a new project in Netbeans - Java Application

3. Provide a Project Name, e.g. Compiler; DO NOT CREATE A MAIN CLASS

4. Copy the contents of the src directory from the unzipped archive, CompilerJDK-7.zip, to the new Netbeans project src directory (src directory of Compiler)

5. Right click on project name in Package Explorer window of Netbeans and select Properties. Select Run property. Then, in the Arguments text field type any of the .x file names (e.g., fib.x).

6. There are 2 main methods in the compiler project you just created. Both are ready to execute. Check that all is well by running both programs - the lexer setup program and the main compiler program. You might start by selecting the main class from compiler.Compiler

7. Now, run the project. If Netbeans complains that it can't find fib.x then you must point the working directory to the location of fib.x (e.g. /Users/levine/Courses/413/NetBeansProjects/Compiler/src).

You can set the working directory by right-clicking on the project name, select Properties, then Run, then browse to the working directory where fib.x is located

(e.g., */Users/levine/Courses/413/NetBeansProjects/Compiler/src*)