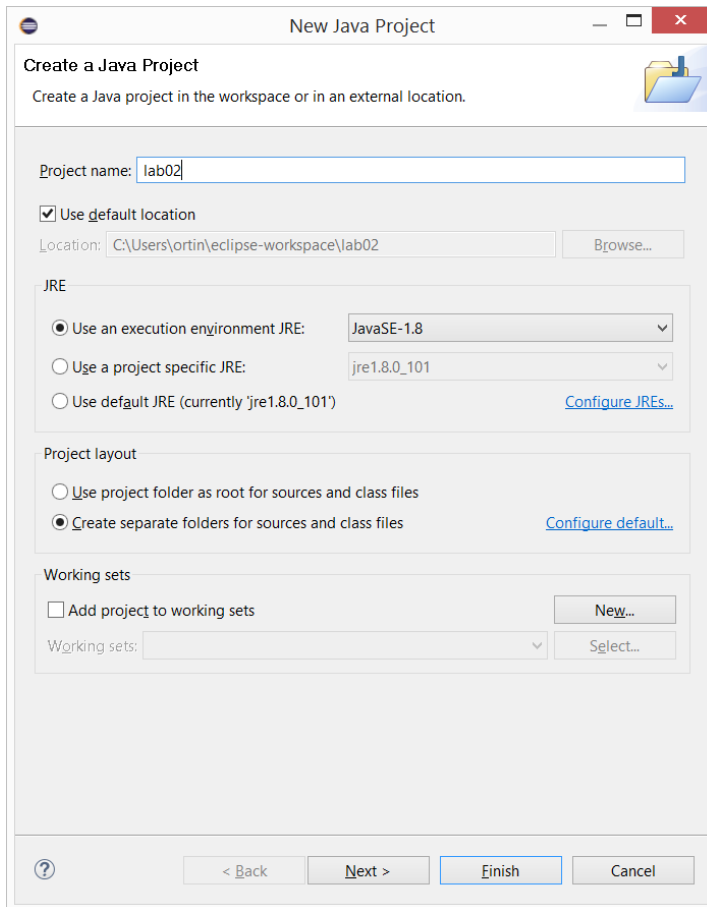
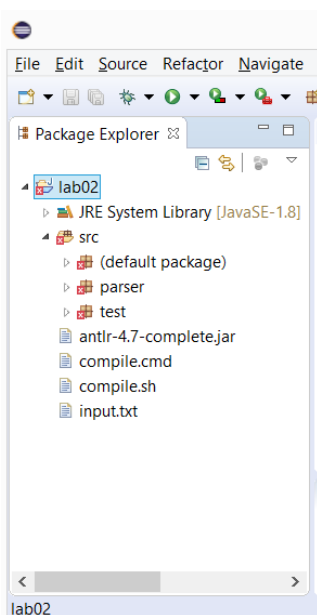


How to create our first Lexer in Eclipse using ANTLR

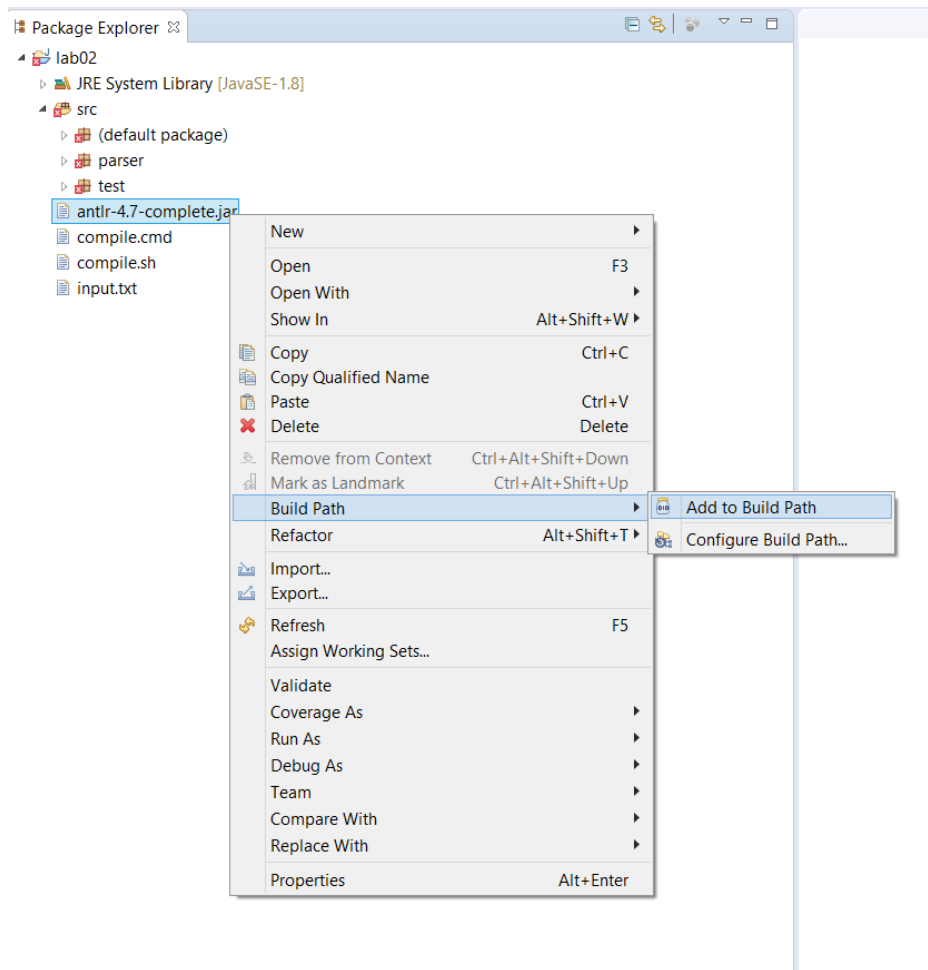
Create a new Java project in Eclipse.



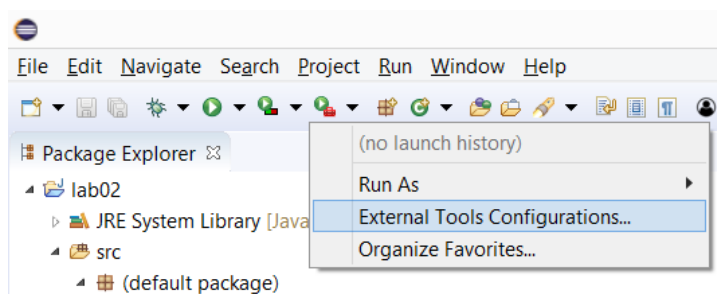
Copy the given files in the project directory (copy and paste, or drag and drop).



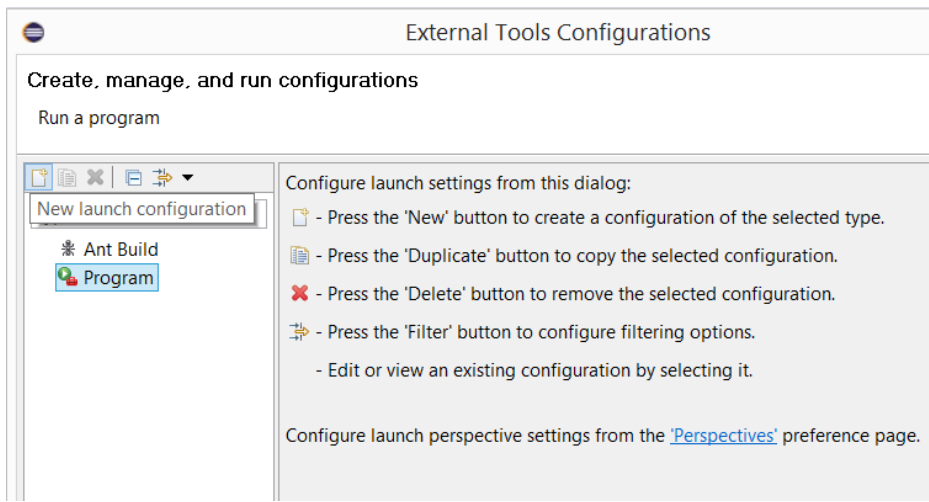
Add antlr-4.7-complete.jar to the build path.



Open the External Tools Configurations menu.



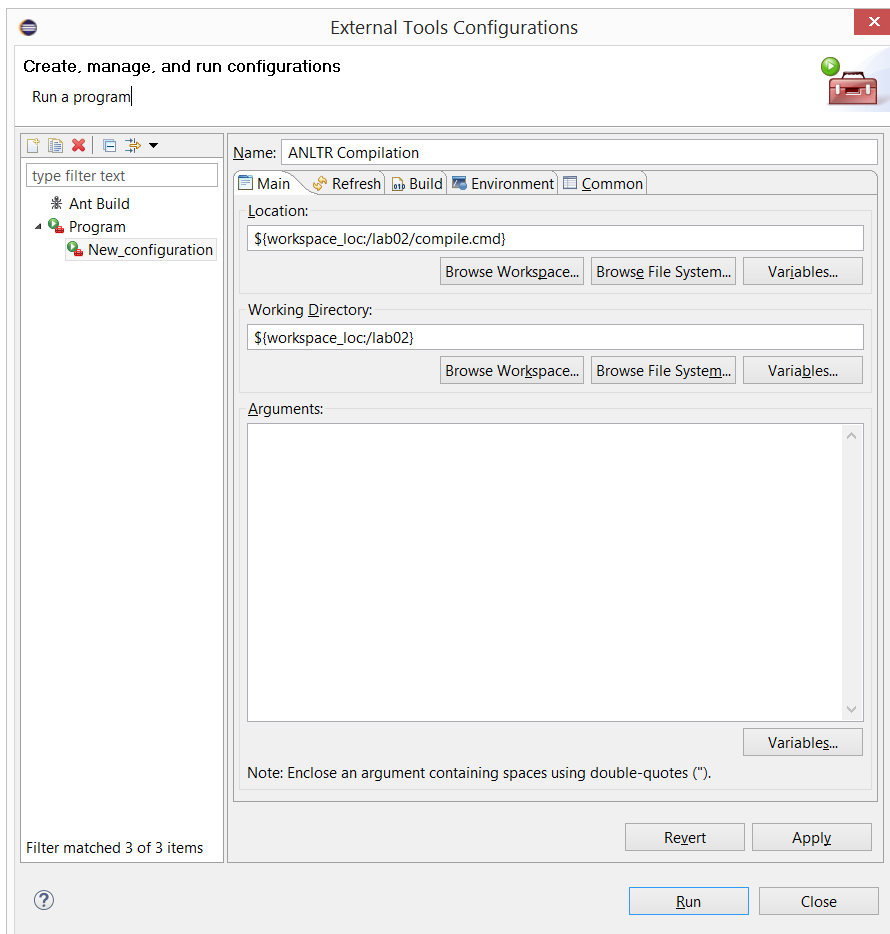
Select Program and click on New Configuration.



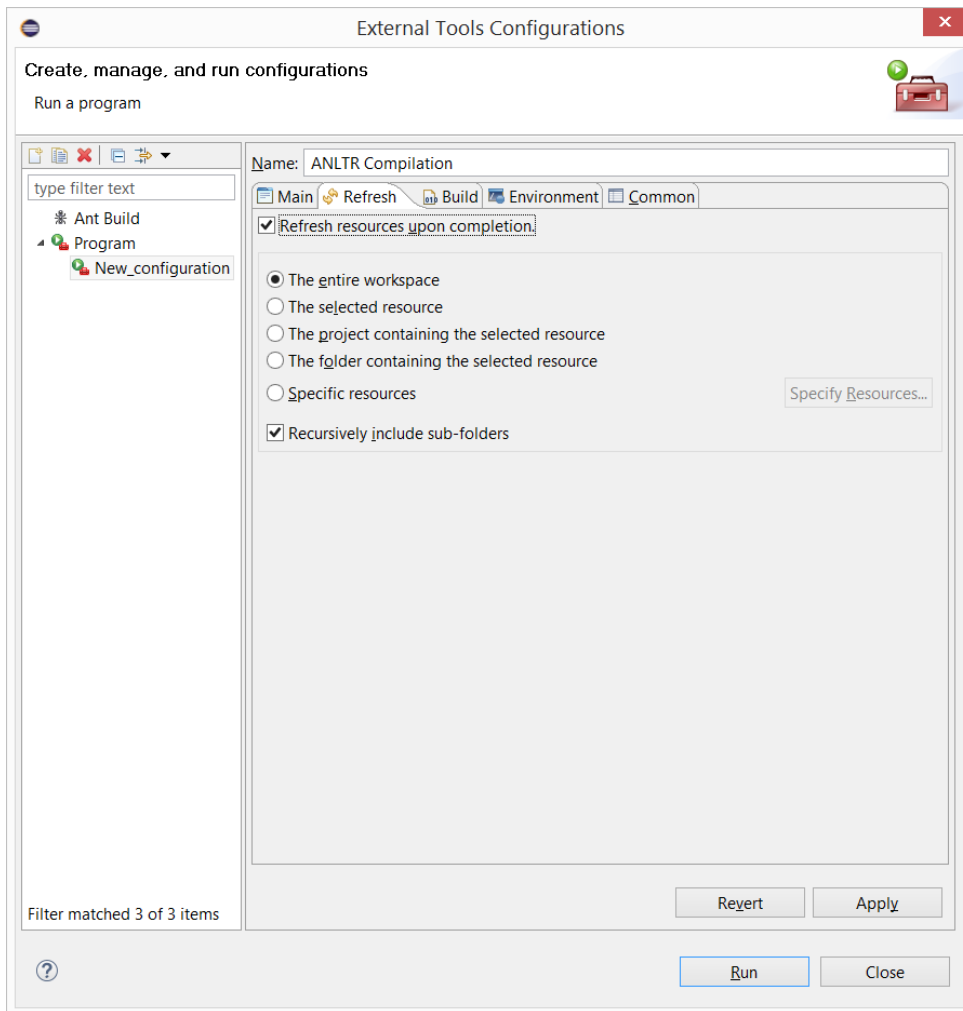
Name the new configuration “ANLTR Compilation”.

For Location, select compile.cmd (compile.sh in Mac OS or Linux) after clicking on Browse Workspace.

For Working Directory, select the project (lab02) after clicking on Browse Workspace.



Click on the Refresh tag and select Refresh resources upon completion.



Click on Run to run ANTLR and see the generated files.

Run the Main Java class, passing small-input.txt as a parameter.

Complete Cmm.g4 to recognize all the lexical patterns described in description.txt.

Complete the LexerHelper class to obtain the semantic values of real and char constants.

To test the implementation, run the test.LexerTest class enabling assertions (pass -ea to the VM upon execution).