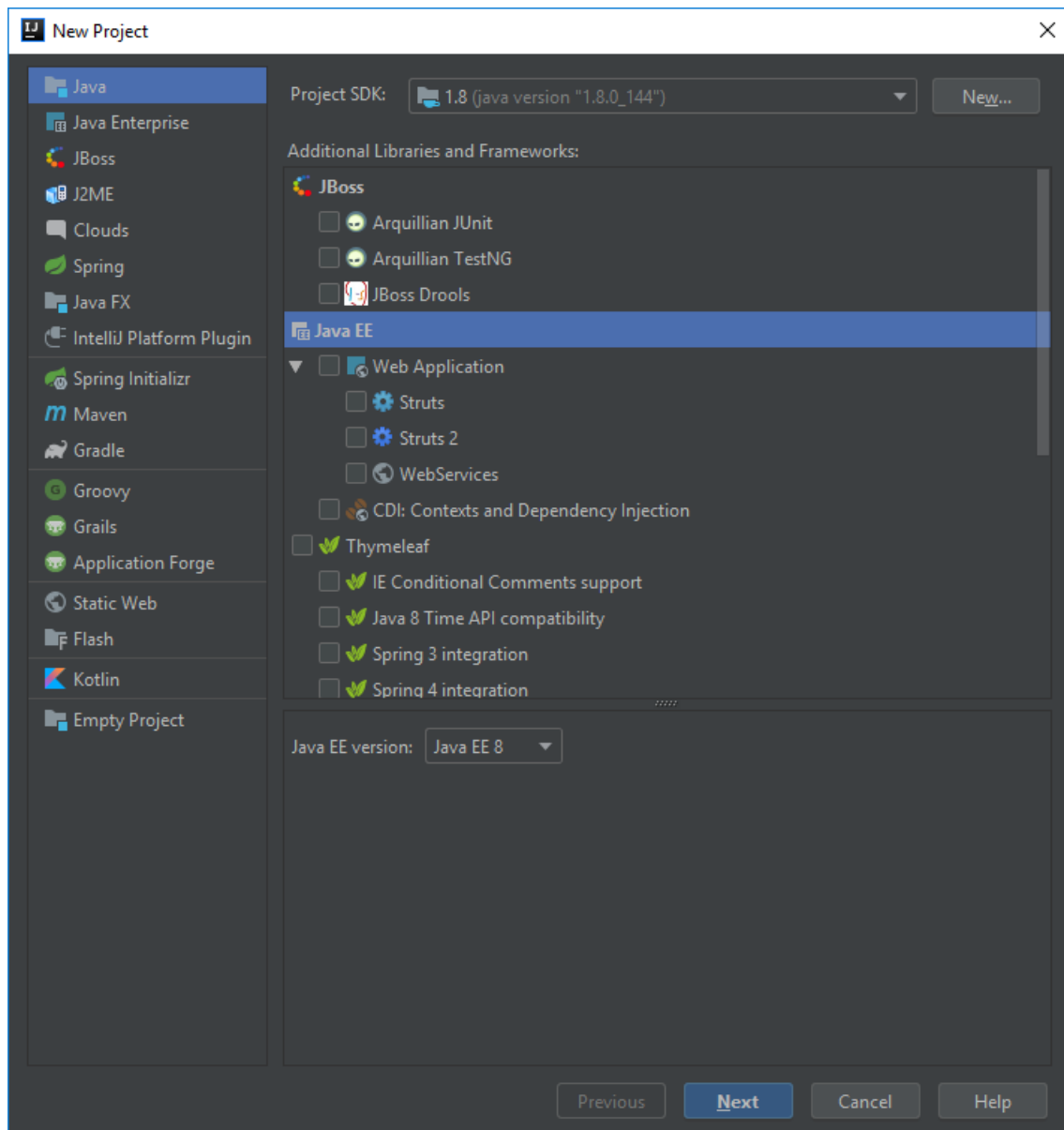
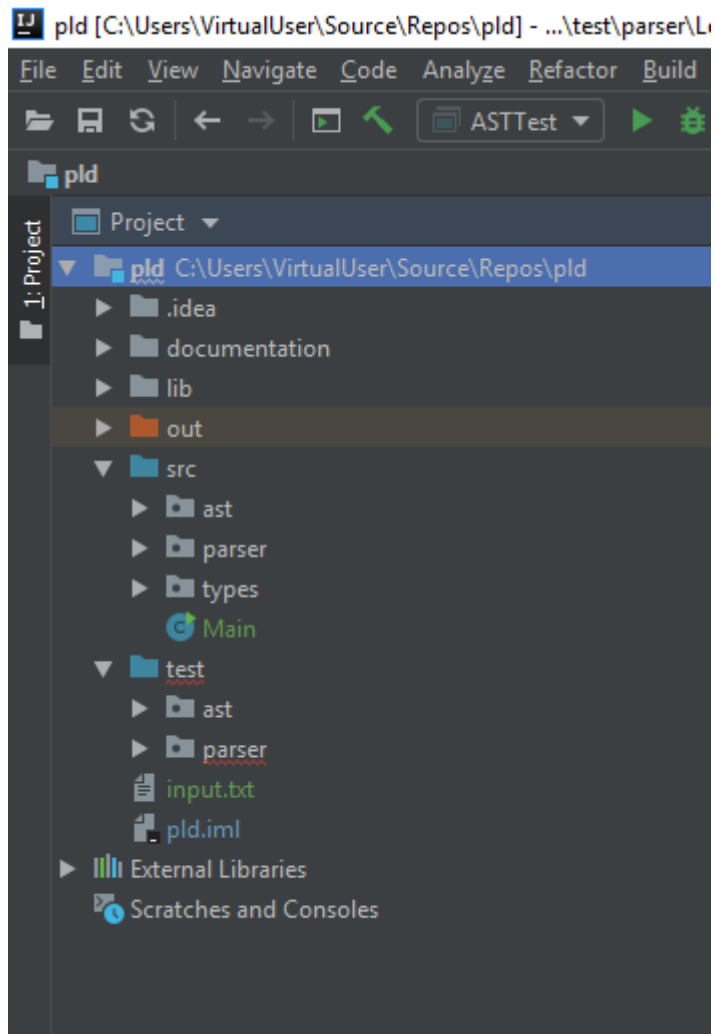


## How to create our first Lexer in IntelliJ using ANTLR

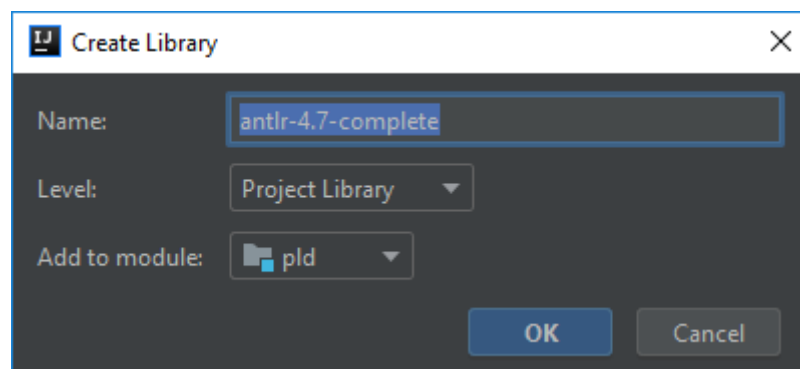
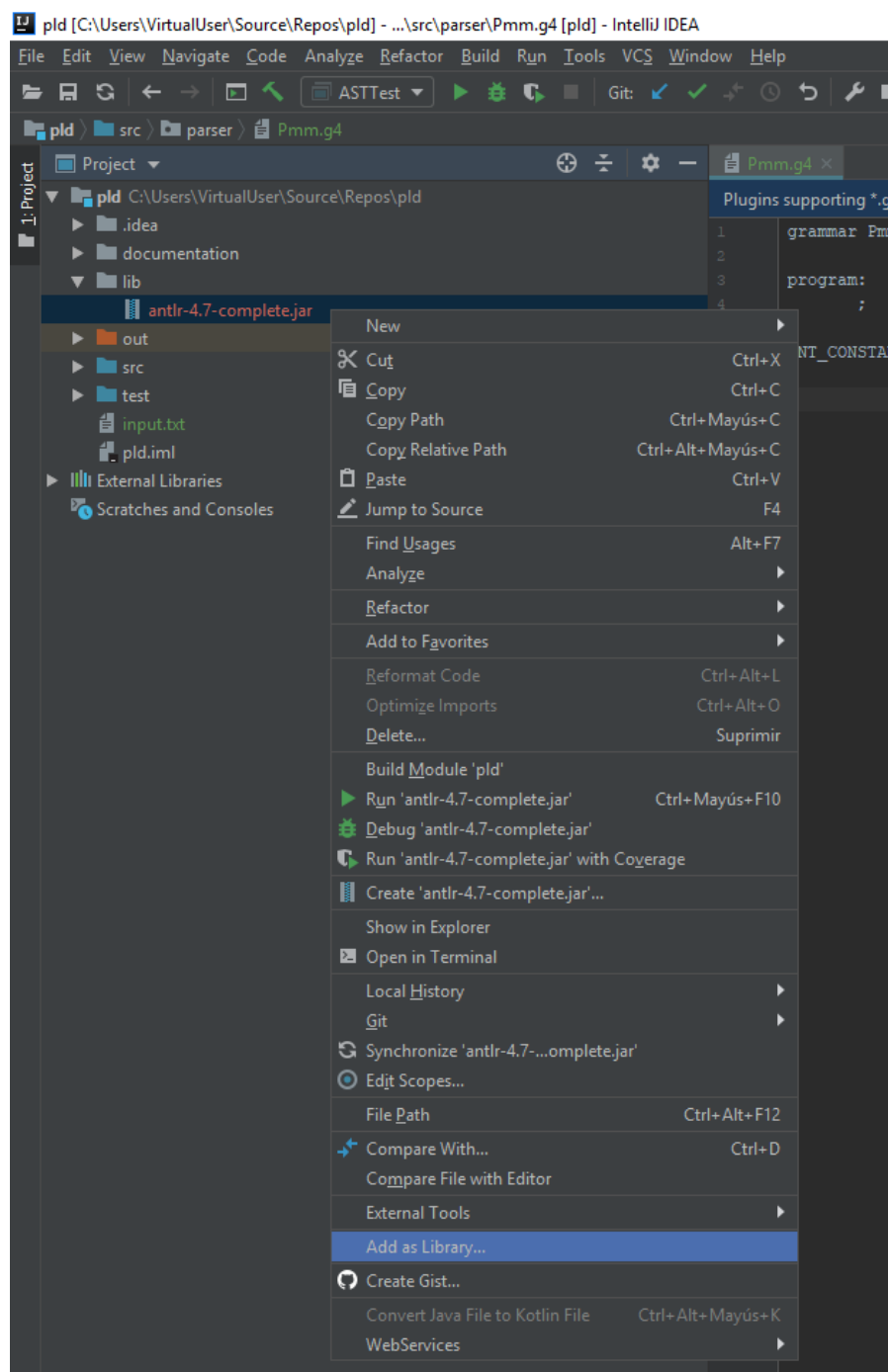
Create a new Java project in IntelliJ



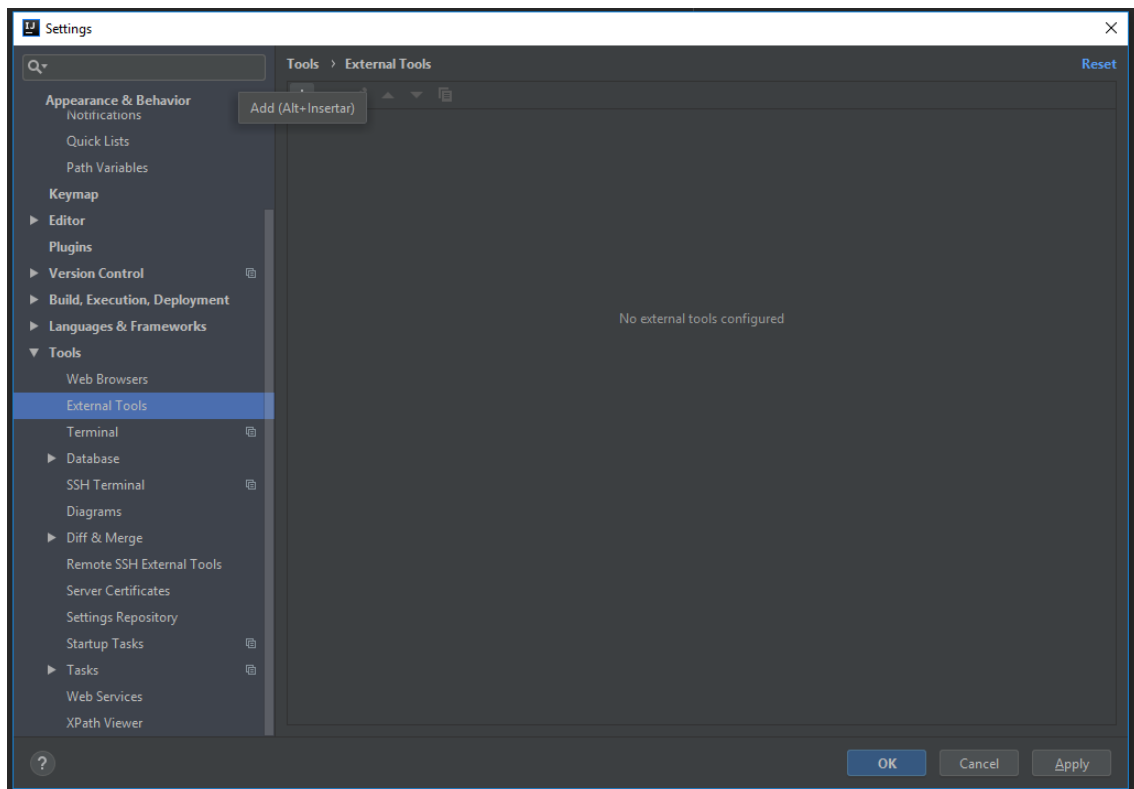
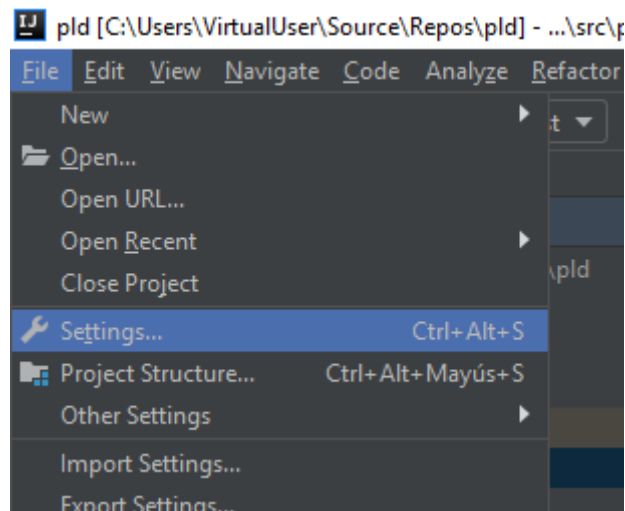
Copy the given files in the project directory (copy and paste, or drag and drop).



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



Open the External Tools Configurations menu.

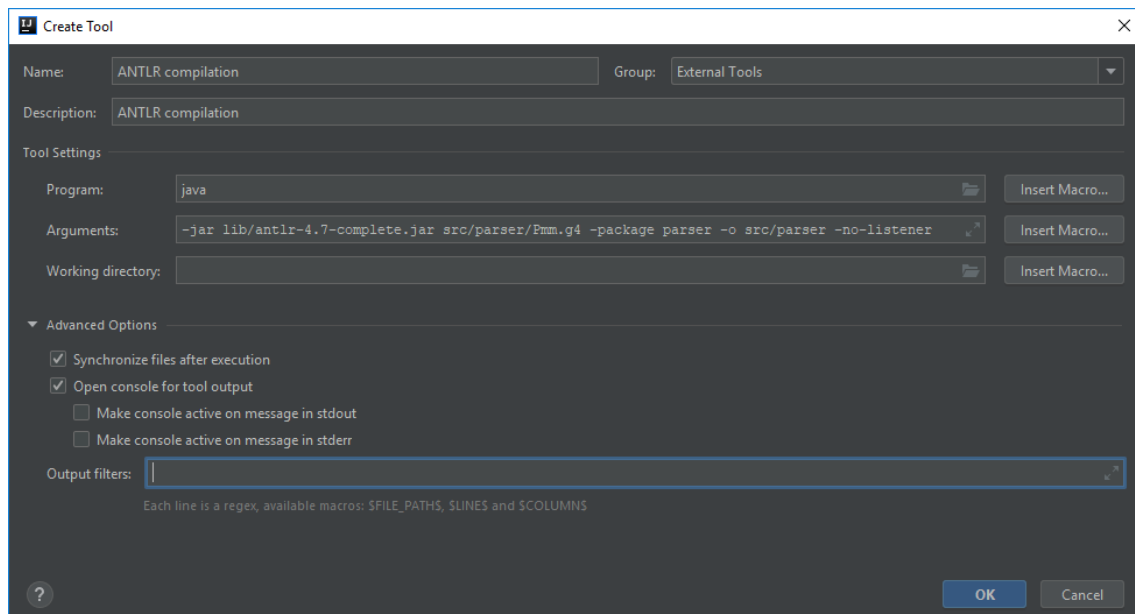


Select + (Add)

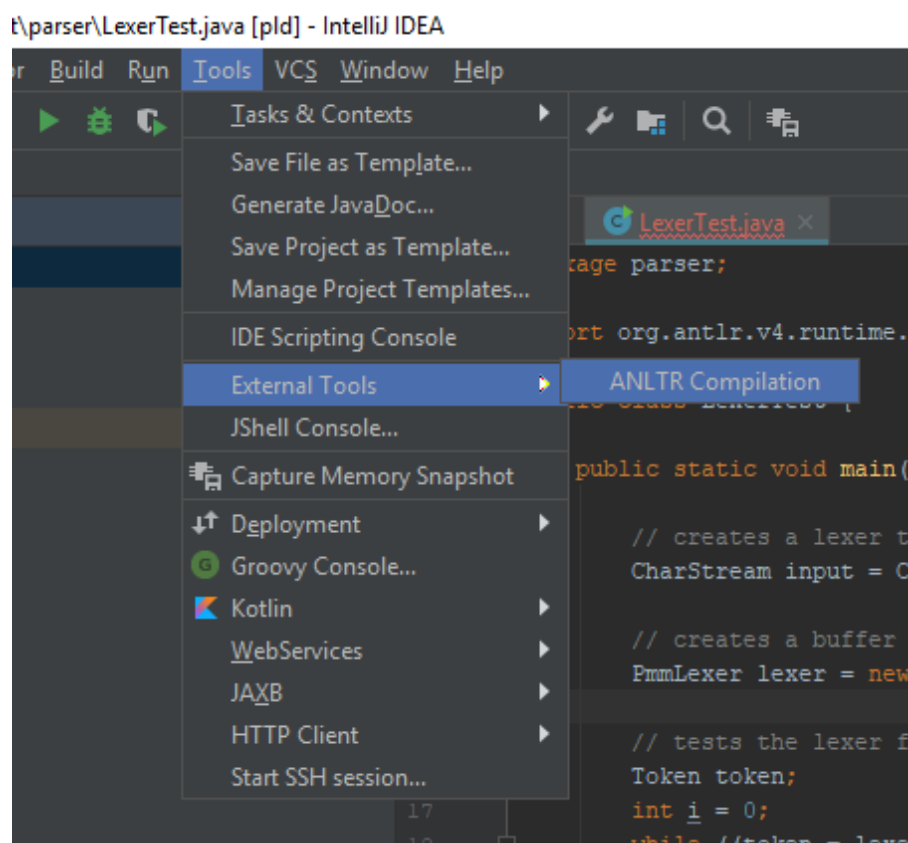
Name the new configuration "ANLTR Compilation".

For Program, set java

For Arguments, set `-jar lib/antlr-4.7-complete.jar src/parser/Cmm.g4 -package parser -o src/parser -no-listener`



Select Tools -> External Tools -> ANLTR Compilation 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).