

Expression Analyser

Assignment One for CE305 by bb18960

Specification

Implementation

How tools were applied

A list of tools that I used to complete this project were:-

Tool	Version	Why I used it	Link to tool
IntelliJ IDEA 2020.3.2 (Ultimate Edition)	11.0.9.1+11- b1145.77 x86_64	I used this as my IDE (Integrated Development Environment). It provides helpful tips to make editing plain text files painless.	https://www.jetbrains.com/idea/
openJDK 15	v15.0.2	Used to compile and debug my Java source code. I used this late version of the JDK (Java Development Kit) because I appreciate the simplified switch statements that aren't on offer in legacy JDK 8 versions.	https://jdk.java.net/15/
Mac mini 2018	Running macOS Big Sur v11.2.1	This was the hardware and operating system that I used to develop and test the software that I produced. I appreciate the unix features that the system has making it very easy to use the command line to troubleshoot.	https://www.apple.com/uk/mac-mini/specs/
		Used to provide the generated ANTLR lexer and parser with common features needed in	https://w

ANTLR v4 Complete Jar	v4.9	<p>interpreters and compilers.</p> <p>For instance, a ParseTree is something that will apply to all generated ANTLR code and so is needed in a general sense.</p>	www.antlr.org/download.html
ANTLR v4 IntelliJ plugin	v1.16	<p>Helped me understand in an interactive way whether the grammar I was producing was effective with the useful window at the bottom that allows you to type in an expression and see the tree.</p> <p>Also, through using this you can create the generated Java parser and lexer that follows the rules prescribed in the grammar.</p>	https://plugins.jetbrains.com/plugin/7358-antlr-v4
Typora	v0.9.9.36.2	Used to create this report. It's a markdown editor which can then be used to export to pdf (as well as many other things).	http://typora.io
git	v2.24.0	Version control allowing me to swiftly program with the safe knowledge that my work is backed up if I need to revert back to previous versions.	https://git-scm.com/