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422 Deliverable 2 Report

Checkstyle coverage tool output:

A picture containing graphical user interface

Description automatically generated

HalsteadEffortCheck

91.2% coverage

11/12 branches covered. A branch wasn’t covered in the visitToken function, because the first if statement checks to be sure that the token passed in is a token that we care about. So, the if/else if branch that’s inside the larger if doesn’t have a final branch that looks at tokens we don’t care about, since the encompassing one does that first. This is why the false branch on the final else if isn’t tested.

HalsteadDifficultyCheck

93.2% coverage

8/8 branches covered

HalsteadVolumeCheck

90.3% coverage

2/2 branches covered

CommentCheck

73.4% coverage

No branches

CommentLinesCheck

82.8% coverage

6/6 branches covered

ExpressionsCheck

66.7% coverage

No branches

HalsteadLengthCheck

93.1% coverage

No branches

HalsteadVocabularyCheck

93.7% coverage

2/2 branches covered

LoopingStatementCheck

78.5% coverage

2/2 branches covered

OperandsCheck

74.6% coverage

No branches

OperatorsCheck

91.9% coverage

No branches

\*\*\*NOTE\*\*\*

For all the checks, finishTree was not tested. Mocking the log function was extra credit and calling the finishTree function in a test resulted in errors from the log function and so testing it was omitted completely. This is the cause of the lack of 100% coverage in all of the checks.