Written Report for CSE 4714/6714 Programming Languages Project Part 3

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## 1. The development Process

## 2. Most & Least Difficult Nodes

The most challenging nodes were CompoundStmtNode and ExprsessionNode. CompoundStmtNode took long for me and required for me to to do a lot of debugging. ExpressionNode had SimpleExpNode, TermNode, and FactorNode subclasses, with vectors for relational operators (TOK\_EQUALTO, TOK\_LESSTHAN), which also took me a long time. The easier one for me was StringNode as all I had to do was store a string literal and print it.

## 3. Parse Tree Printouts

Printing the tree twice- once during parsing and once using operator<<—provided valuable insight. Because the printout during parsing helping trace production rules were initiated and the structure of the tree. The destructors printing out the deletion order assured me of debug memory issues.

## 4. Sources