Name: *Ben Puryear*

Assignment: 3

Correct and Complete:	24 / 24
Evidence and Quality of Testing:	2 / 2
Clean Code:	2 / 2
Writeup:	2 / 2
Total Score:	30 / 30

Comments:

1. Good job!

Test output:

```
1. RUNNING: ./simple_parser_tests
[==========] Running 70 tests from 1 test suite.
[----------] Global test environment set-up.
[----------] 70 tests from BasicSimpleParserTests
[ RUN      ] BasicSimpleParserTests.EmptyInput
[       OK ] BasicSimpleParserTests.EmptyInput (0 ms)
[ RUN      ] BasicSimpleParserTests.EmptyStruct
[       OK ] BasicSimpleParserTests.EmptyStruct (0 ms)
[ RUN      ] BasicSimpleParserTests.EmptyFunction
[       OK ] BasicSimpleParserTests.EmptyFunction (0 ms)
[ RUN      ] BasicSimpleParserTests.StructWithBaseTypeVars
[       OK ] BasicSimpleParserTests.StructWithBaseTypeVars (0 ms)
[ RUN      ] BasicSimpleParserTests.StructWithNonBaseTypeVars
[       OK ] BasicSimpleParserTests.StructWithNonBaseTypeVars (0 ms)
[ RUN      ] BasicSimpleParserTests.BaseValueReturn
[       OK ] BasicSimpleParserTests.BaseValueReturn (0 ms)
[ RUN      ] BasicSimpleParserTests.NonBaseValueReturn
[       OK ] BasicSimpleParserTests.NonBaseValueReturn (0 ms)
[ RUN      ] BasicSimpleParserTests.OneParam
[       OK ] BasicSimpleParserTests.OneParam (0 ms)
[ RUN      ] BasicSimpleParserTests.BaseTypeParams
[       OK ] BasicSimpleParserTests.BaseTypeParams (0 ms)
[ RUN      ] BasicSimpleParserTests.NonBaseTypeParams
[       OK ] BasicSimpleParserTests.NonBaseTypeParams (0 ms)
[ RUN      ] BasicSimpleParserTests.VarDecls
[       OK ] BasicSimpleParserTests.VarDecls (0 ms)
[ RUN      ] BasicSimpleParserTests.SimpleIf
[       OK ] BasicSimpleParserTests.SimpleIf (0 ms)
[ RUN      ] BasicSimpleParserTests.FullIf
[       OK ] BasicSimpleParserTests.FullIf (0 ms)
[ RUN      ] BasicSimpleParserTests.SimpleFor
[       OK ] BasicSimpleParserTests.SimpleFor (0 ms)
[ RUN      ] BasicSimpleParserTests.SimpleWhile
[       OK ] BasicSimpleParserTests.SimpleWhile (0 ms)
[ RUN      ] BasicSimpleParserTests.PathExpressions
[       OK ] BasicSimpleParserTests.PathExpressions (0 ms)
[ RUN      ] BasicSimpleParserTests.FunctionCalls
[       OK ] BasicSimpleParserTests.FunctionCalls (0 ms)
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[ RUN      ] BasicSimpleParserTests.LogicalExpressions
[       OK ] BasicSimpleParserTests.LogicalExpressions (0 ms)
[ RUN      ] BasicSimpleParserTests.RelationalExpressions
[       OK ] BasicSimpleParserTests.RelationalExpressions (0 ms)
[ RUN      ] BasicSimpleParserTests.ArithmeticExpressions
[       OK ] BasicSimpleParserTests.ArithmeticExpressions (0 ms)
[ RUN      ] BasicSimpleParserTests.NewExpressions
[       OK ] BasicSimpleParserTests.NewExpressions (0 ms)
[ RUN      ] BasicSimpleParserTests.MixOfStatements
[       OK ] BasicSimpleParserTests.MixOfStatements (0 ms)
[ RUN      ] BasicSimpleParserTests.NestedStatements
[       OK ] BasicSimpleParserTests.NestedStatements (0 ms)
[ RUN      ] BasicSimpleParserTests.MixOfStructAndFun
[       OK ] BasicSimpleParserTests.MixOfStructAndFun (0 ms)
[ RUN      ] BasicSimpleParserTests.StatementOutsideFunction
[       OK ] BasicSimpleParserTests.StatementOutsideFunction (0 ms)
[ RUN      ] BasicSimpleParserTests.NotStructOrFunction
[       OK ] BasicSimpleParserTests.NotStructOrFunction (0 ms)
[ RUN      ] BasicSimpleParserTests.MissingStructId
[       OK ] BasicSimpleParserTests.MissingStructId (0 ms)
[ RUN      ] BasicSimpleParserTests.MissingStructOpen
[       OK ] BasicSimpleParserTests.MissingStructOpen (0 ms)
[ RUN      ] BasicSimpleParserTests.MissingStructClose
[       OK ] BasicSimpleParserTests.MissingStructClose (0 ms)
[ RUN      ] BasicSimpleParserTests.MissingDataTypeInField
[       OK ] BasicSimpleParserTests.MissingDataTypeInField (0 ms)
[ RUN      ] BasicSimpleParserTests.MissingIdInField
[       OK ] BasicSimpleParserTests.MissingIdInField (0 ms)
[ RUN      ] BasicSimpleParserTests.MissingCommaInFields
[       OK ] BasicSimpleParserTests.MissingCommaInFields (0 ms)
[ RUN      ] BasicSimpleParserTests.TooManyCommasInFields
[       OK ] BasicSimpleParserTests.TooManyCommasInFields (0 ms)
[ RUN      ] BasicSimpleParserTests.MissingFunctionOpenParen
[       OK ] BasicSimpleParserTests.MissingFunctionOpenParen (0 ms)
[ RUN      ] BasicSimpleParserTests.MissingFunctionCloseParen
[       OK ] BasicSimpleParserTests.MissingFunctionCloseParen (0 ms)
[ RUN      ] BasicSimpleParserTests.MissingFunctionOpenBrace
[       OK ] BasicSimpleParserTests.MissingFunctionOpenBrace (0 ms)
[ RUN      ] BasicSimpleParserTests.MissingFunctionCloseBrace
[       OK ] BasicSimpleParserTests.MissingFunctionCloseBrace (0 ms)
[ RUN      ] BasicSimpleParserTests.MissingFunctionReturnType
[       OK ] BasicSimpleParserTests.MissingFunctionReturnType (0 ms)
[ RUN      ] BasicSimpleParserTests.MissingTypeInParam
[       OK ] BasicSimpleParserTests.MissingTypeInParam (0 ms)
[ RUN      ] BasicSimpleParserTests.MissingIdInParams
[       OK ] BasicSimpleParserTests.MissingIdInParams (0 ms)
[ RUN      ] BasicSimpleParserTests.TooManyCommasInParams
[       OK ] BasicSimpleParserTests.TooManyCommasInParams (0 ms)
[ RUN      ] BasicSimpleParserTests.ReturnWithoutValue
[       OK ] BasicSimpleParserTests.ReturnWithoutValue (0 ms)
[ RUN      ] BasicSimpleParserTests.MutipleVarsInVarDecl
[       OK ] BasicSimpleParserTests.MutipleVarsInVarDecl (0 ms)
[ RUN      ] BasicSimpleParserTests.NoVarsInVarDecl
[       OK ] BasicSimpleParserTests.NoVarsInVarDecl (0 ms)
[ RUN      ] BasicSimpleParserTests.NoAssignInVarDecl
[       OK ] BasicSimpleParserTests.NoAssignInVarDecl (0 ms)
[ RUN      ] BasicSimpleParserTests.NoInitInVarDecl
[       OK ] BasicSimpleParserTests.NoInitInVarDecl (0 ms)
[ RUN      ] BasicSimpleParserTests.NoParensInIf
[       OK ] BasicSimpleParserTests.NoParensInIf (0 ms)
[ RUN      ] BasicSimpleParserTests.NoExprInIf
[       OK ] BasicSimpleParserTests.NoExprInIf (0 ms)
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[ RUN      ] BasicSimpleParserTests.NoIfBody
[       OK ] BasicSimpleParserTests.NoIfBody (0 ms)
[ RUN      ] BasicSimpleParserTests.NonTerminatingIfBody
[       OK ] BasicSimpleParserTests.NonTerminatingIfBody (0 ms)
[ RUN      ] BasicSimpleParserTests.ElseIfWithNoIf
[       OK ] BasicSimpleParserTests.ElseIfWithNoIf (0 ms)
[ RUN      ] BasicSimpleParserTests.ElseIfWithNoCondition
[       OK ] BasicSimpleParserTests.ElseIfWithNoCondition (0 ms)
[ RUN      ] BasicSimpleParserTests.ElseIfWithEmptyParens
[       OK ] BasicSimpleParserTests.ElseIfWithEmptyParens (0 ms)
[ RUN      ] BasicSimpleParserTests.ElseIfWithNoBody
[       OK ] BasicSimpleParserTests.ElseIfWithNoBody (0 ms)
[ RUN      ] BasicSimpleParserTests.ElseIfWithNonTerminatingBody
[       OK ] BasicSimpleParserTests.ElseIfWithNonTerminatingBody (0 ms)
[ RUN      ] BasicSimpleParserTests.ElseWithNoIf
[       OK ] BasicSimpleParserTests.ElseWithNoIf (0 ms)
[ RUN      ] BasicSimpleParserTests.ElseWithNoBody
[       OK ] BasicSimpleParserTests.ElseWithNoBody (0 ms)
[ RUN      ] BasicSimpleParserTests.ElseWithNonTerminatingBody
[       OK ] BasicSimpleParserTests.ElseWithNonTerminatingBody (0 ms)
[ RUN      ] BasicSimpleParserTests.WhileWithNoCondition
[       OK ] BasicSimpleParserTests.WhileWithNoCondition (0 ms)
[ RUN      ] BasicSimpleParserTests.WhileWithEmptyCondition
[       OK ] BasicSimpleParserTests.WhileWithEmptyCondition (0 ms)
[ RUN      ] BasicSimpleParserTests.WhileWithNonTerminatingBody
[       OK ] BasicSimpleParserTests.WhileWithNonTerminatingBody (0 ms)
[ RUN      ] BasicSimpleParserTests.ForWithNoLoopControl
[       OK ] BasicSimpleParserTests.ForWithNoLoopControl (0 ms)
[ RUN      ] BasicSimpleParserTests.ForWithEmptyLoopControl
[       OK ] BasicSimpleParserTests.ForWithEmptyLoopControl (0 ms)
[ RUN      ] BasicSimpleParserTests.ForWithMissingVarDecl
[       OK ] BasicSimpleParserTests.ForWithMissingVarDecl (0 ms)
[ RUN      ] BasicSimpleParserTests.ForWithMissingCondition
[       OK ] BasicSimpleParserTests.ForWithMissingCondition (0 ms)
[ RUN      ] BasicSimpleParserTests.ForWithMissingAssign
[       OK ] BasicSimpleParserTests.ForWithMissingAssign (0 ms)
[ RUN      ] BasicSimpleParserTests.ForWithMissingBody
[       OK ] BasicSimpleParserTests.ForWithMissingBody (0 ms)
[ RUN      ] BasicSimpleParserTests.ForWithNonTerminatedBody
[       OK ] BasicSimpleParserTests.ForWithNonTerminatedBody (0 ms)
[ RUN      ] BasicSimpleParserTests.AssignWithMissingExpression
[       OK ] BasicSimpleParserTests.AssignWithMissingExpression (0 ms)
[ RUN      ] BasicSimpleParserTests.AssignWithAssignOp
[       OK ] BasicSimpleParserTests.AssignWithAssignOp (0 ms)
[----------] 70 tests from BasicSimpleParserTests (2 ms total)

[----------] Global test environment tear-down
[==========] 70 tests from 1 test suite ran. (2 ms total)
[  PASSED  ] 70 tests.

2. RUNNING: ./mypl --parse ./examples/parser.mypl
```