

Jison Parser Test Cases Report

Total Tests Run: 93

Passed: 91


Failed: 0

Errors: 2

Errors Summary

1. **test basic JSON grammar** (in testLR1)
 - Error: SyntaxError: Function statements require a function name
2. **test module include** (in testGenerator)
 - Error: SyntaxError: Function statements require a function name

a. testAPI

- test tokens as a string – ✓ Passed
- test extra spaces in productions – ✓ Passed
- test | separated rules – ✓ Passed
- test start symbol optional – ✓ Passed
- test start symbol should be nonterminal – ✓ Passed
- test token list as string – ✓ Passed
- test grammar options – ✓ Passed
- test overwrite grammar options – ✓ Passed
- test yy shared scope – ✓ Passed
- test optional token declaration – ✓ Passed
- test custom parse error method – ✓ Passed
- test jison grammar as string – ✓ Passed
- test no default resolve – ✓ Passed ( Conflict detected in states 0 & 2)
- test EOF in 'Unexpected token' error message – ✓ Passed
- test locations – ✓ Passed
- test default location action – ✓ Passed

- test locations by term name in action – ✓ Passed
- test lexer with no location support – ✓ Passed
- test instance creation – ✓ Passed
- test reentrant parsing – ✓ Passed

b. testLR0

- test left-recursive nullable grammar – ✓ Passed
- test right-recursive nullable grammar – ✓ Passed (△ Conflict in states 0 & 2)
- test 0+0 grammar – ✓ Passed

c. testSLR

- test left-recursive nullable grammar – ✓ Passed
- test right-recursive nullable grammar – ✓ Passed

d. testLALR

- test 0+0 grammar – ✓ Passed
- test xx nullable grammar – ✓ Passed
- test LALR algorithm from Bermudez, Logothetis – ✓ Passed
- test basic JSON grammar – ✓ Passed
- test LR(1) grammar – ✓ Passed (△ Conflict in state 6)
- test BNF grammar bootstrap – ✓ Passed

e. testLR1

- test xx nullable grammar – ✓ Passed
- test LR parse – ✓ Passed
- test basic JSON grammar – ⚡ **Error:** SyntaxError: Function statements require a function name
- test compilers test grammar – ✓ Passed (△ Conflicts in states 0 & 3)
- test compilers test grammar 2 – ✓ Passed (△ Conflict in state 2)
- test nullables – ✓ Passed

f. testAST

- test Semantic action basic return – ✓ Passed

- test return null – ✓ Passed
- test terminal semantic values are not null – ✓ Passed
- test Semantic action stack lookup – ✓ Passed
- test Semantic actions on nullable grammar – ✓ Passed
- test named semantic value – ✓ Passed
- test ambiguous named semantic value – ✓ Passed
- test vars that look like named semantic values shouldn't be replaced – ✓ Passed
- test previous semantic value lookup (\$0) – ✓ Passed
- test negative semantic value lookup (\$-1) – ✓ Passed
- test Build AST – ✓ Passed
- test 0+0 grammar – ✓ Passed
- test implicit \$\$ = \$1 action – ✓ Passed
- test yytext – ✓ Passed
- test yyleng – ✓ Passed
- test yytext more – ✓ Passed
- test action include – ✓ Passed
- test next token not shifted if only one action – ✓ Passed
- test token array LIFO – ✓ Passed
- test YYACCEPT – ✓ Passed
- test YYABORT – ✓ Passed
- test parse params – ✓ Passed
- test symbol aliases – ✓ Passed
- test symbol aliases in ebnf – ✓ Passed

g. testTables

- test right-recursive nullable grammar – ✓ Passed
- test slr lalr lr tables are equal – ✓ Passed
- test LL parse table – ✓ Passed
- test LL parse table with conflict – ✓ Passed

- test Ambiguous grammar – ✓ Passed (⚠ Conflict in state 5)

h. testPrecedence

- test Left associative rule – ✓ Passed
- test Right associative rule – ✓ Passed
- test Multiple precedence operators – ✓ Passed
- test Non-associative operator – ✓ Passed
- test Context-dependent precedence – ✓ Passed
- test multi-operator rules – ✓ Passed

i. testGenerator

- test amd module generator – ✓ Passed
- test commonjs module generator – ✓ Passed
- test module generator – ✓ Passed
- test module generator with module name – ✓ Passed
- test module generator with namespaced module name – ✓ Passed
- test module include – ⚡ **Error:** SyntaxError: Function statements require a function name
- test module include code – ✓ Passed
- test lexer module include code – ✓ Passed
- test generated parser instance creation – ✓ Passed
- test module include code using generator from parser – ✓ Passed
- test module include with each generator type – ✓ Passed
- test compiling a parser/lexer – ✓ Passed

j. testErrorLab

- test error caught – ✓ Passed
- test error recovery – ✓ Passed
- test deep error recovery – ✓ Passed
- test no recovery – ✓ Passed
- test error after error recovery – ✓ Passed

- test throws error despite recovery rule – ✓ Passed
- test correct AST after error recovery abrupt end – ✓ Passed
- test bison error recovery example – ✓ Passed