SLR Parser Report

Iteration 1

Iteration 1:

Stack: [0, 2]

Symbols: ['ID']

Input: ['ID', 'TIMES', 'ID', 'PLUS', 'ID', '$']

Actions:

Shift

Iteration 2

Iteration 2:

Stack: [0, 3]

Symbols: ['factor']

Input: ['ID', 'TIMES', 'ID', 'PLUS', 'ID', '$']

Actions:

Shift

Reduce using factor -> ID

SLR Parser Report

Iteration 3

Iteration 3:

Stack: [0, 4]

Symbols: ['term']

Input: ['ID', 'TIMES', 'ID', 'PLUS', 'ID', '$']

Actions:

Shift

Reduce using factor -> ID

Reduce using term -> factor

Iteration 4

Iteration 4:

Stack: [0, 4, 7]

Symbols: ['term', 'TIMES']

Input: ['ID', 'TIMES', 'ID', 'PLUS', 'ID', '$']

Actions:

Shift

Reduce using factor -> ID

Reduce using term -> factor

Shift

SLR Parser Report

Iteration 5

Iteration 5:

Stack: [0, 4, 7, 2]

Symbols: ['term', 'TIMES', 'ID']

Input: ['ID', 'TIMES', 'ID', 'PLUS', 'ID', '$']

Actions:

Shift

Reduce using factor -> ID

Reduce using term -> factor

Shift

Shift

Iteration 6

Iteration 6:

Stack: [0, 4, 7, 10]

Symbols: ['term', 'TIMES', 'factor']

Input: ['ID', 'TIMES', 'ID', 'PLUS', 'ID', '$']

Actions:

Shift

Reduce using factor -> ID

Reduce using term -> factor

SLR Parser Report

Shift

Shift

Reduce using factor -> ID

Iteration 7

Iteration 7:

Stack: [0, 4]

Symbols: ['term']

Input: ['ID', 'TIMES', 'ID', 'PLUS', 'ID', '$']

Actions:

Shift

Reduce using factor -> ID

Reduce using term -> factor

Shift

Shift

Reduce using factor -> ID

Reduce using term -> term TIMES factor

SLR Parser Report

Iteration 8

Iteration 8:

Stack: [0, 1]

Symbols: ['expression']

Input: ['ID', 'TIMES', 'ID', 'PLUS', 'ID', '$']

Actions:

Shift

Reduce using factor -> ID

Reduce using term -> factor

Shift

Shift

Reduce using factor -> ID

Reduce using term -> term TIMES factor

Reduce using expression -> term

SLR Parser Report

Iteration 9

Iteration 9:

Stack: [0, 1, 6]

Symbols: ['expression', 'PLUS']

Input: ['ID', 'TIMES', 'ID', 'PLUS', 'ID', '$']

Actions:

Shift

Reduce using factor -> ID

Reduce using term -> factor

Shift

Shift

Reduce using factor -> ID

Reduce using term -> term TIMES factor

Reduce using expression -> term

Shift

SLR Parser Report

Iteration 10

Iteration 10:

Stack: [0, 1, 6, 2]

Symbols: ['expression', 'PLUS', 'ID']

Input: ['ID', 'TIMES', 'ID', 'PLUS', 'ID', '$']

Actions:

Shift

Reduce using factor -> ID

Reduce using term -> factor

Shift

Shift

Reduce using factor -> ID

Reduce using term -> term TIMES factor

Reduce using expression -> term

Shift

Shift

SLR Parser Report

Iteration 11

Iteration 11:

Stack: [0, 1, 6, 3]

Symbols: ['expression', 'PLUS', 'factor']

Input: ['ID', 'TIMES', 'ID', 'PLUS', 'ID', '$']

Actions:

Shift

Reduce using factor -> ID

Reduce using term -> factor

Shift

Shift

Reduce using factor -> ID

Reduce using term -> term TIMES factor

Reduce using expression -> term

Shift

Shift

Reduce using factor -> ID

SLR Parser Report

Iteration 12

Iteration 12:

Stack: [0, 1, 6, 9]

Symbols: ['expression', 'PLUS', 'term']

Input: ['ID', 'TIMES', 'ID', 'PLUS', 'ID', '$']

Actions:

Shift

Reduce using factor -> ID

Reduce using term -> factor

Shift

Shift

Reduce using factor -> ID

Reduce using term -> term TIMES factor

Reduce using expression -> term

Shift

Shift

Reduce using factor -> ID

Reduce using term -> factor

SLR Parser Report

Iteration 13

Iteration 13:

Stack: [0, 1]

Symbols: ['expression']

Input: ['ID', 'TIMES', 'ID', 'PLUS', 'ID', '$']

Actions:

Shift

Reduce using factor -> ID

Reduce using term -> factor

Shift

Shift

Reduce using factor -> ID

Reduce using term -> term TIMES factor

Reduce using expression -> term

Shift

Shift

Reduce using factor -> ID

Reduce using term -> factor

Reduce using expression -> expression PLUS term

SLR Parser Report