

Test Case #11

Stack
. LexToken(INT,'int',1,0)
INT . LexToken(ID,'f',1,4)
Type . LexToken(ID,'f',1,4)
Type ID . LexToken(LEFTPAREN,'(',1,5)
Type ID LEFTPAREN . LexToken(RIGHTPAREN,')',1,6)
Type ID LEFTPAREN RIGHTPAREN . LexToken(LEFTBRACE,'{',1,8)
Type ID LEFTPAREN RIGHTPAREN LEFTBRACE . error
Type ID LEFTPAREN . error
Type . error
. LexToken(ID,'A',1,16)
ID . LexToken(LEFTBRACE,'{',1,18)
. error
. LexToken(String,'string',1,20)
String . LexToken(ID,'lastName',1,27)
Type . LexToken(ID,'lastName',1,27)
Type ID . LexToken(SEMICOLON,';',1,35)
Variable . LexToken(SEMICOLON,';',1,35)
Variable SEMICOLON . LexToken(String,'string',1,37)
VariableDeclaration . LexToken(String,'string',1,37)
Declaration . LexToken(String,'string',1,37)
Declaration String . LexToken(ID,'firstName',1,44)
Declaration Type . LexToken(ID,'firstName',1,44)
Declaration Type ID . LexToken(SEMICOLON,';',1,53)
Declaration Variable . LexToken(SEMICOLON,';',1,53)
Declaration Variable SEMICOLON . LexToken(RIGHTBRACE,'}',1,55)
Declaration VariableDeclaration . error
. error
. \$end

Action

Shift and goto state 13

Reduce rule [Type -> INT] with ['int'] and goto state 8

Shift and goto state 19

Shift and goto state 26

Shift and goto state 38

Shift and goto state 62

Shift and goto state 9

Shift and goto state 16

Reduce rule [Type -> STRING] with ['string'] and goto state 8

Shift and goto state 19

Reduce rule [Variable -> Type ID] with [None, 'lastName'] and goto state 7

Shift and goto state 18

Reduce rule [VariableDeclaration -> Variable SEMICOLON] with [None, ';'] and goto state 3

Reduce rule [Declaration -> VariableDeclaration] with [None] and goto state 2

Shift and goto state 16

Reduce rule [Type -> STRING] with ['string'] and goto state 8

Shift and goto state 19

Reduce rule [Variable -> Type ID] with [None, 'firstName'] and goto state 7

Shift and goto state 18

Reduce rule [VariableDeclaration -> Variable SEMICOLON] with [None, ';'] and goto state 3