Int deneme = ++y + deneme;

Start -> declarations compoundStatement

declarations -> declaration ; declarations | ε

declaration -> type ID | type \_ID | type $ID

type -> int | double | short | long

compoundStatement -> statements

statements -> statement statements | ε

statement -> ifStatement | whileStatement | assignment | compoundStatement | | methodCall

methodCall -> ID ( optparameters ) ;

optparameters -> params | ε

params -> params , param | param

param -> ID | ID | $ID | intNumber | doubleNumber | shortNumber | longNumber

ifStatement -> if ( booleanExpression ) { statement } else { statement }

whileStatement -> while ( booleanExpression ) { statement }

booleanExpression → arithmeticExpression booleanOperation arithmeticExpression

booleanOperation → < | > | <= | >= | == | !=

assignment -> ID = arithmeticExpression | unaryExpression;

unaryExpression -> ++ ID | ++ \_ID | ++ $ID | ++ intNumber | ++ doubleNumber | ++ shortNumber | ++ longNumber

arithmeticExpression → arithmeticExpression + multexpr | arithmeticExpression - multexpr | multexpr

multexpr→ multexpr \* simpleexpr | multexpr / simpleexpr | simpleexpr

simpleexpr → ID | \_ID | $ID | intNumber | doubleNumber | shortNumber | longNumber |( arithmeticExpression)