

GRAMMAR:

CompilationUnitNode--> BlockNode

BlockNode--> { DeclarationNode StatementNode }

DeclarationNode --> TypeNode IdentifierNode

TypeNode --> Basic

IdentifierNode → id

StatementNode --> AssignmentNode

AssignmentNode --> LiteralNode BinaryExpressionNode

BinaryExpressionNode → AdditionNode | SubtractionNode |
 MultiplicationNode | DivisionNode |
 BinaryExpressionNode

AdditionNode → LiteralNode + LiteralNode

SubtractionNode → LiteralNode - LiteralNode

MultiplicationNode → LiteralNode * LiteralNode

DivisionNode → LiteralNode / LiteralNode

LiteralNode--> literal