<Program> :: void main () {<block>}

<block> :: <declaration - seq> <command -seq>

<declaration-seq>::empty |<declaration><declaration -seq>

<declaration> :: <type> <var-list> ;

<type> :: int

<var-list> :: <var > <var-list-tail>

<var-list-tail> :: empty | , <var-list>

<command-seq> :: <command><command-seq-tail>

<command-seq-tail> :: empty | <command-seq>

<command>:: <var> = <expr> ;|if <expr> { <command-seq> <command-seq-tail>} else {<command-seq><command-seq-tail>}

<expr>:: <simple-expr><expr-tail>

<expr-tail>:: empty | <relation> <simple-expr>

<simple-expr> :: <element> <simple-expr-tail>

<simple-expr-tail>:: empty | <OPERATION><element><simple-expr-tail>

<element>:: <numeral>|<var>|(<exp>)|-<element>

<var>::<id> | <id><number>

<relation> :: <|>|=

<weak op ---> :: + |-

<Id>:: a|b|c|d….|z

<number> :: 0|1|2|3 ... 9