<prog> -> **program** <id>; **var** <dec-list>; **begin** <stat-list>; **end**

<id> -> <letter> <id2>

<id2> -> <letter> <id2>

<id2> -> <digit> <id2>

<id2> -> null

<dec-list> -> <dec>:<type>;

<dec> -> <id>, <dec>

<dev> -> <id>,<id>

<type> **integer**

<stat-list> -> <stat> <stat-list2>

<stat-list2> -> <stat> <stat-list2>

<stat> -> <write>

<stat> -> <assign>

<write> -> (<id>);

<assign> -> <id> = <expr>;

<expr> -> <expr> + <term>

<expr> -> <expr> - <term>

<expr> -> <term>

<term> -> <term> \* <factor>

<term> -> <term> / <factor>

<term> -> <factor>

<factor> -> <id>

<factor> -> <number>

<factor> -> (<expr>)

<number> -> <sign><digit><nunber2>

<number2> -> <digit> <number2>

<number2> -> null

<sign> -> +

<sign> -> -

<sign> -> null

<digit> -> 0

<digit> -> 1

<digit> -> 2

<digit> -> 3

<digit> -> 4

<digit> -> 5

<digit> -> 6

<digit> -> 7

<digit> -> 8

<digit> -> 9

<letter> -> a

<letter> -> b

<letter> -> c

<letter> -> d

<letter> -> e