```
Program — ✓ <def-list>
<def-list> ----
                   <var-def> | <fun-def>
<def>
                          <var-def> — var <id-list>
                                                          <id-list> — <id> (, <id> <id-list-count>) *
                          <fun-def>\longrightarrow <id><(<param-list>)\{(<var-def-list><stmt-list>\}
                                                          <param-list> <id-list>?
                                                         <var-def-list> <var-def>*
                                                           <stm-list>\longrightarrow<stm>*
                       ▶ Identifier ( stmt-assign | stmt-fun-call ) | stmt-incr | stmt-decr | |
 stm -
                            stmt-if | stmt-while | stmt-do-while | stmt-break | stmt-return |
                                                      stmt-empty
                       stmt-assign \longrightarrow \langle id \rangle = \langle expr \rangle;
                       stmt-fun-call \longrightarrow \langle id \rangle ((\langle expr \rangle (\langle expr \rangle)^*)?)
                        stmt-incr → inc<id>;
                       stmt-decr → dec<id>;
                        stmt-if if(\(\epsilon\)\{\(\start\-list\)\}\(\epsilon\)
                                                  else-if-list \longrightarrow (\langle else-if-list \rangle elseif(\langle expr \rangle) \{\langle stmt-list \rangle \})?
                                                      else — (else{<stmt-list>})?
                       stmt-do-while — do{<stmt-list>}while(<expr>);
                        stmt-break — break;
                        stmt-return — return <expr>;
                        stmt-empty → ;
                     expr-and (expr-or) (|| | ^))?
  expr ----
                     expr-and → <expr-and && <expr-comp | expr-comp
                                    expr-comp \longrightarrow (\langle expr-comp \rangle (== | !=))? \langle expr-rel \rangle
                                    expr-add \longrightarrow \langle expr-mul \rangle (\langle expr-add \rangle (+ | - ))?
                                                       expr-mul \longrightarrow ((* | / | \%) \cdot expr-unary) + | expr-unary)
                                                       expr-unary \longrightarrow (expr-unary (+ | - | ! )) | expr-primary
                                                      expr-primary — id | fun-call | ([⟨expr-list⟩]) | lit | (⟨expr⟩)
                                                                lit-bool | lit-int | lit-char | lit-str
```