```
⟨program⟩ → ⟨function-list⟩
⟨function-list⟩ → ⟨function-list⟩⟨function⟩
⟨function-list⟩ → ⟨function⟩
<function> → int <identifier>(<formal-parameter-list>);
<function> → int <identifier>(<formal-parameter-list>) <compound-statement>
<formal-parameter-list> → parameter-list>
\langle \text{formal-parameter-list} \rangle \rightarrow \varepsilon
\langle parameter-list \rangle \rightarrow \langle parameter-list \rangle, \langle parameter \rangle
⟨parameter-list⟩ → ⟨parameter⟩
⟨parameter⟩ → int ⟨parameter-declarator⟩
⟨parameter-declarator⟩ → ⟨identifier⟩
\langle parameter-declarator \rangle \rightarrow \langle parameter-declarator \rangle [\langle number \rangle]
\langle compound-statement \rangle \rightarrow \{\langle declaration-list \rangle \langle statement-list \rangle \}
\langle declaration-list \rangle \rightarrow \langle declaration-list \rangle \langle variable-declaration \rangle
\langle declaration-list \rangle \rightarrow \epsilon
⟨variable-declaration⟩ → int ⟨id-list⟩;
<id-list> → <id-list>, <parameter-declarator>
<id-list> →                                                                                                                                                                                                                                                                                                                                                   

⟨statement-list⟩ → ⟨statement-list⟩

\langle \text{statement-list} \rangle \rightarrow \varepsilon
<statement> → <compound-statement>
⟨statement⟩ → ⟨assign-expression⟩;
<statement> → if (<assign-expression>) <statement> else <statement>
⟨statement⟩ → while (⟨assign-expression⟩) ⟨statement⟩
⟨statement⟩ → return ⟨assign-expression⟩;
⟨statement⟩ → read ⟨variable⟩;
⟨statement⟩ → write ⟨assign-expression⟩;
<statement> → writeln;
⟨assign-expression⟩ → ⟨variable⟩ = ⟨assign-expression⟩
⟨assign-expression⟩ → ⟨logical-expression⟩
⟨logical-expression⟩ → !⟨relational-expression⟩
⟨logical-expression⟩ → ⟨relational-expression⟩
⟨relational-expression⟩ → ⟨expression⟩ == ⟨expression⟩
<relational-expression> → <expression> != <expression>
<re>lational-expression> → ⟨expression> > ⟨expression></re>
<relational-expression> → <expression> < <expression>
<relational-expression> → <expression> >= <expression>
<re>lational-expression> → <expression> <= <expression>
\langle relational-expression \rangle \rightarrow \langle expression \rangle
⟨expression⟩ → ⟨expression⟩ + ⟨term⟩
⟨expression⟩ → ⟨expression⟩ - ⟨term⟩
 ⟨expression⟩ → ⟨term⟩
<term> → <term> * <factor>
 <term> → <term> / <factor>
 <term> → <factor>
 <factor> → <variable>
 <variable> → <identifier>
 ⟨variable⟩ → ⟨variable⟩[⟨assign-expression⟩]
 <factor> → <identifier>(<expression-list>)
 \langle expression-list \rangle \rightarrow \langle argument-list \rangle
 \langle \text{expression-list} \rangle \rightarrow \epsilon
 \langle \text{argument-list} \rangle \rightarrow \langle \text{argument-list} \rangle, \langle \text{assign-expression} \rangle
 ⟨argument-list⟩ → ⟨assign-expression⟩
 <factor> → <number>
 ⟨factor⟩ → (⟨assign-expression⟩)
```