The tiny language

Language described as:

1) Number: [0-9]+(“.”[0-9]+)?
2) String: (“)(.|[0-9])* (”)
3) Reserved_Keywords: “int” | “float” | “string” | “read” | “write” | “repeat” | “until” | “if” | “elseif” | “else” | “then” | “return” | “endl” | “main”
4) Comment_Statement: “/*”(.|[0-9])* “*/”
5) Identifiers:[a-zA-Z]([a-zA-Z] | [0-9])*
6) Function_Call: (Identifier)(“(”)((identifier)((“,”)(identifier))*)* (“)”)
7) Term: Number | Identifier | Function_Call
8) Arithmatic_operator: “+”|“-”|“*”|“/”|
9) Equation:
10) Expression: (String) |(Term)|(Equation)
11) Assignment_Statement:(Identifier)(:=)(Expression)
12) Datatype: “int” | “float” | “string”
13) Declaration_Statement: (Datatype) (($Identifier$) |(Assignment_Statement))
$((“,”)((Identifier)|(Assignment\_Statement)))^{*}$
$(“;”)$

14) Write_Statement: (“write”)(Expression | “endl”)(“;”)

15) Read_Statement: (“read”)(Identifier)(“;”)

16) Return_Statement: (“return”)(Expression)(“;”)

17) Condition_Operator: “<” | “>” | “=” | “<>”

18) Condition: (Identifier)(Condition_Operator)(Term)

19) Boolean_Operator : (“&&”) | (“||”)

20) Condition statement: (condition) ((boolean_operator) (condition))*

21) If_Statement: (“if”)(Condition_Statement)(“then”)((Function_Call | Assignment_Statement | Write_Statement | Read_statement | Declaration_Statement | If_Statement))+ (Else_If_Statement | Else_Statement | “end”)

22) Elseif : (“elseif”)(Condition_Statement)(then) ((Read_Statement | Write_Statement | Assignment_Statement | Declaration_Statement | Function_Call | If_Statement))+ (Else_If_Statement | Else_Statement | “end”)

23) Else : (“else”)

((Read_Statement | Write_Statement | Assignment_Statement | Declaration_Statement | Function_Call | If_Statement))+ (“end”)

24) Repeat_Statement : (“repeat”) ((Read_Statement | Write_Statement | Assignment_Statement | Declaration_Statement | Function_Call | If_Statement))+ (“until”)(Condition_Statement)

25) FunctionName: Identifier

26) Parameter: (datatype)(identifier)

27) Function_Declaration : (Datatype)(Function_Name) (“(“) ((Parameter)((“,”)(Parameter))*)*(”)”)

28) Function_Body: (“{“) (Read_Statement | Write_Statement | Assignment_Statement | Declaration_Statement | Function_Call | If_Statement)+ (Return_Statement) (“}”)

29) Function_Statement: (Function_Declaration) (Function_Body)

30) Main_Function: (Datatype) (“main”) (“()”) (Function_Body)

31) Program : (Function_Statement)* (Main_Function)