1. Number: [ 0 – 9 ]+ (\. [ 0 – 9 ]\*)?
2. String: “ (.)\* “
3. Reserved\_Keywords: int | float | string | read | write | repeat | until | if | elseif | else | then | return | endl
4. Comment: /\* (.)\* \*/
5. Identifier: a-z | A-Z [ a-z | A-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 : identifier : = expression
12. Datatype: int | float | string
13. Declaration\_Statement: Datatype ( ( [identifier | assignment] , )\* identifier| assignment ) ;
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

1. Boolean\_Operator: && | ||
2. Condition\_Statement: condition ( Boolean\_operator condition)\*
3. Statement: write\_statement | read\_statment | return\_statement | declaration\_statment | comment\_statement | if\_statement | repeat\_statement
4. If\_Statement: if condition\_statment then ( statement )+ (Else\_if\_statement)\* (Else\_statement) ? end
5. Else\_If\_Statement: elseif condition\_statment then ( statement )+
6. Else\_Statement: else ( statement )+
7. Repeat\_Statement: repeat ( statement )+ until condition\_statement
8. FunctionName: : a-z | A-Z [ a-z | A-Z | 0-9 ]\*
9. Parameter: Datatype identifier

1. Function\_Declaration: Datatype function\_name ( [parameter , ]\* parameter )
2. Function\_Body: { (statement)\* Return\_statment }
3. Function\_Statement: function\_declaration function\_body
4. Main\_Function: Datatype main () function\_body
5. Program: (function\_statment)\* Main\_function