1. *Program* 🡪*FunctionStatements MainBlock*
2. *FunctionStatements* 🡪*FunctionDecleration FunctionBody FunctionStatements |* **ɛ**
3. *FunctionDecleration* 🡪 *DataType* **id** **(**(*ArgumentList* **|ɛ**)**)**
4. *ArgumentList*🡪 *DataType* **id** *Argument*
5. *DataType 🡪* **int | float | string**
6. *Argument 🡪* **,** *ArgumentList* **| ɛ**
7. *Statements* 🡪 *Statement Statements* **| ɛ**
8. *Statement* 🡪 *RepeatStatement* | **id** *State* | *DeclareStatement* **;**| *WriteStatement* **;**| *ReadStatement***;**|*IfStatement | ReturnStatement*
9. *State* 🡪 *AssignStatement***;** | **(**(*Parameters* | **ɛ**)**)**
10. *FunctionBody* 🡪 **{***Statements ReturnStatement* **}**
11. *ReturnStatement* 🡪 **return** (*Expression* **| ɛ**) ;
12. *Expression 🡪* **StringStatement***|Term Exp|****(****Equation****)****Eq*
13. *Exp* 🡪 *Eq* | **ɛ**
14. *Term* **🡪 constant | id** *Ter*
15. *Ter* **🡪 (**(*Parameters* **| ɛ**)**) | ɛ**
16. *Parameters* 🡪 (**id | constant**)*Parameter*
17. *Parameter 🡪* **,** *Parameters* **|****ɛ**
18. *Equation* 🡪 *Term**Eq |* ***(****Equation****)****Eq*
19. *Eq 🡪 ArithmaticOp Equation* ***|*****ɛ**
20. *ArithmaticOp* 🡪 **+ | - | \* | /**
21. *RepeatStatement 🡪* **repeat** *Statements* **until** *ConditionStatement*
22. *ConditionStatement 🡪 Condition MultiCondition*
23. *Condition 🡪* **id** *ConditionOp Term*
24. *ConditionOp 🡪* **< | > | = | <>**
25. *MultiCondition 🡪 BoolOp Cond MultiCondition |* **ɛ**
26. *BoolOp 🡪* ***&& |* ||**
27. *AssignStatement 🡪*  **:=** *Expression*
28. *DeclareStatement* 🡪 *DataType* **id** *Declare*
29. *Declare* 🡪 *AssignStatement* *MultiDeclaration* | *MultiDeclaration* | **ɛ**
30. *MultiDeclaration* 🡪 **, id** *Multi* *MultiDeclaration* | **ɛ**
31. *Multi*🡪 *AssignStatement* | **ɛ**
32. *WriteStatement 🡪* **write** *( Expression |* **endl***)*
33. *ReadStatement 🡪* **read id**
34. *IfStatetment 🡪* **if** *ConditionStatement* **then** *IFStatements(ElseIfStatement | ElseStatement |* **end***)*
35. *ElseifStatement 🡪* **elseif** *ConditionStatement* **then** *IFStatements(ElseIfStatement | ElseStatement |* **end***)*
36. *ElseStatement🡪* **else** *Statements* **end**
37. *IFStatements 🡪 RepeatStatement* | **id** *State* | *DeclareStatement* **;**| *WriteStatement* **;**| *ReadStatement***;**|*IfStatement*|*ReturnStatement*
38. *MainBlock 🡪* **int****main ()** *FunctionBody*