

Terminals/Tokens	1. VARIABLE 2. INTEGER 3. Saved Keyword : <ul style="list-style-type: none"> • Print • IF THEN ELSE • WHILE
Non termina	1. Main (whole text) 2. Lines (all the lines of the text) 3. Line (one statement): <ul style="list-style-type: none"> a. Expr <ul style="list-style-type: none"> i. Arismatic expr (+, -, *, /, %) ii. Local expr (&&, or, ~) iii. Rational expr (>, <, >=, <=, ==, !=) b. assignment c. print_statement d. IF_statement

Rule	Symantec Action
Main -> lines	Main is start symbol I want to looking for all lines No action
Lines -> lines line '\n'	The lines consist of lines and line who is end with '\n' I want to looking for what is line
Line -> expr	Line can be Exprection (Arismatic - Locaill - Rational or just a value)
assignment	Also can be Variable assignment
print_statement	Also can be Print statement
assignment - > VARIABLE '=' expr	I want to assign the value of expr to VARIABLE
Print_statement -> 'PRINT' '('expr ')'	Print the value of expr
Print_statement -> 'PRINT' '('VARIABLE ')'	Print the value of stored at VARIABLE
expr - > INTEGER	Store value of the INTEGER to the Expr value
expr -> expr '+' expr	Calculate the exp1 + exp2 store it At expr3

