

VTTYPE	int char boolean String
ID	(letter _)(letter digit _)*
OP(+/-/*//)	+ - * /
SEMI	;
UNDERBAR	_
Lparen	(
Rparen)
Lbracket	[
Rbracket]
Lbrace	{
Rbrace	}
COMPARE	> < == >= <= !=
ASSIGN	=
STRING	“ (letter digit) * ”
WS	(\t \n)*
CHAR	‘ (letter digit) ’
INTEGER	0 (- ε) (1 2 3 4 5 6 7 8 9) (0 1 2 3 4 5 6 7 8 9)*
COMMA	,
KW	if else return while class

VTTYPE	token for various type name: int, char, boolean, String
ID	token for identifier. consists of letter and digit
OP(+/-/*//)	operator: +, -, *, /
SEMI	token for terminating symbol of statement: ;
UNDERBAR	token for symbol underbar _
Lparen	token for symbol (
Rparen	token for symbol)
Lbracket	token for symbol [
Rbracket	token for symbol]
Lbrace	token for symbol {
Rbrace	token for symbol }
COMPARE	token for comparison operation : >, <, >=, <=, == , !=
ASSIGN	token for assign symbol : =
STRING	token for string; any combination of digits, English letters, and blanks, starting from and terminating with a symbol “
WS	token for ' '(blank), '\t'(tab) , '\n'(new line)
CHAR	token for char; any single digit, English letter, blank starting from and terminating with a symbol ‘
INTEGER	token for any interger 1. a single zero 2. a non-empty sequence of digits, starting from a non-zero digit 4. a non-empty sequence of digits, starting from minus symbol and a non-zero digit
COMMA	token for symbol for separating input arguments in functions: ,
KW	token for special statements: if, else, while, class, return