Group 7 TokenTypes ACE LANGUAGE

1. TokenType_IDENTIFIER:

Identifier is assigned to any variable name or function name. It can also be used for many other programming constructs.

Regular Language:

$$[a-z,A-Z,_][a-z,A-Z,0-9,_]^*$$

2. TokenType_NUM:

This token is assigned to numbers, specifically integers, in our language.

Regular Language:

3. TokenType_OPERATOR:

This token is assigned to all the operators of our language.

Regular Language:

4. TokenType_KEYWORD:

The KEYWORD token denotes the reserved keywords in our language.

Regular language:

"if" | "else_if" | "else" | "num" | "char" | "flag" | "str" | "void" | "true" |
"false" | "len" | "headof" | "tailof" | "main" | "echo" | "floop" | "wloop" |
"func" | "cons" | "cook" | "return" | "try" | "catch" | "throw"

5. TokenType_CONSTANT:

All the characters between Quotations (" " or ") are put in the CONSTANT class.

The Regular Language:

6. TokenType_OTHER:

OTHER Class is for the characters which define scope or end of line.

Regular Language:

7. TokenType_EOF:

EOF is a token which simply denotes the end of the input file in our language ace