

| Token Type | Example | Regular Expression |
|------------|-------------------|--|
| keyword | main | main/if/while/else/return/for/break/continue/do/switch/void/int/float/char/const |
| id | Custom Identifier | [a-zA-Z_][a-zA-Z0-9_]* |
| num | Integer Constant | [0-9]+ |
| float | Floating Constant | [0-9]+\.[0-9]+ |
| string | String Constant | "[^"]*" |
| operator | = | = |
| error | Unknown Symbol | . (Matches any single symbol not conforming to the above rules) |

| Lexical Unit Type | Lexical Unit Example | Number |
|-------------------|----------------------|--|
| keyword | main | 1 |
| keyword | int | 2 |
| keyword | char | 3 |
| keyword | if | 4 |
| keyword | else | 5 |
| keyword | for | 6 |
| keyword | while | 7 |
| keyword | return | 8 |
| keyword | void | 9 |
| keyword | float | 10 |
| keyword | then | 11 |
| keyword | switch | 12 |
| keyword | break | 13 |
| keyword | continue | 14 |
| keyword | do | 15 |
| keyword | const | 16 |
| id | Custom identifier | Numbered starting from 1 according to the insertion order in <code>flag_table</code> (determined by <code>flag_table.size() + 1</code> in the code) |
| num | Integer constant | Numbered starting from 1 according to the insertion order in <code>num_table</code> (determined by <code>num_table.size() + 1</code> in the code, and the category number is assumed to be 20) |

| Lexical Unit Type | Lexical Unit Example | Number |
|-------------------|--|--|
| float | Floating-point constant | Numbered starting from 1 according to the insertion order in <code>num_table</code> (determined by <code>num_table.size() + 1</code> in the code, and the category number is assumed to be 30) |
| string | String constant | Numbered starting from 1 according to the insertion order in <code>str_table</code> (determined by <code>str_table.size() + 1</code> in the code, and the category number is 50) |
| operator | = | 21 |
| operator | + | 22 |
| operator | - | 23 |
| operator | * | 24 |
| operator | / | 25 |
| operator | (| 26 |
| operator |) | 27 |
| operator | [| 28 |
| operator |] | 29 |
| operator | { | 30 |
| operator | } | 31 |
| operator | , | 32 |
| operator | : | 33 |
| operator | ; | 34 |
| operator | > | 35 |
| operator | < | 36 |
| operator | >= | 37 |
| operator | <= | 38 |
| operator | == | 39 |
| operator | " | 40 |
| error | (Various unknown symbols that do not conform to the above rules) | No fixed number |