palavras-chaves, operadores, identificadores, constantes, cadeias de caracteres (strings), e símbolos de pontuação como vírgula, ponto e vírgula, dois pontos, e ponto, etc

|  |  |  |
| --- | --- | --- |
| lexema, agrupamentos lógicos, sequência de caracteres | átomo | código interno que é repassado para analisador léxico |
| if | IF | 10 |
| var1 | IDENTIFICADOR(var1) | 12 |
| == | OPERADOR\_IGUALDADE | 14 |
| 10 | NUMERO\_INTEIRO(10) | 25 |
| teste1 | IDENTIFICADOR(teste1) | 12 |
| ( | ABRE\_PARENTESES | 37 |
| f1 | IDENTIFICADOR(f1) | 12 |
| 123 | NUMERO\_INTEIRO(123) | 25 |
|  |  |  |

|  |  |
| --- | --- |
| linha | código-fonte |
| 1  2  3  4  5  6  7 | if var1 == 10  /\* fasfdsalfdaslsd  \*/  teste1(f1,f2)  123 |

a, ab, ba, abababa, bbababa, bbba,

buffer

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| w | h | i | l | e |  | : | = |  | 1 | 0 |  |  | \n |  |  | v | a | r |  |  |  |  |  |  |  |  |  |  |  |

aux

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | \0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |