**Alphabet:**

**a. Upper (A-Z) and lower case letters (a-z) of the English alphabet**

**b. Underline character '\_';**

**c. Decimal digits (0-9);**

1. **Lexic:**

**a. Special symbols, representing:**

**- operators + - \* / % = == != < <= >= >> << || && [ ]**

**- separators ( ) [ ] { } , ; : . space**

**- reserved words:**

**char int const while for if else cin cout return**

**b.identifiers**

**-a sequence of letters and  digits, such that the first character is a letter; the rule is:**

**identifier = letter {letter|digit}**

**letter = "A" | "B" | . ..| "Z" | “a” | “b” | … | “z”**

**c.constants**

**1.integer - rule:**

**integer = 0 | [+|-]non\_zero\_digit{digit}**

**non\_zero\_digit = “1” | “2” | “3” | … | “9”**

**digit = “0” | “1” | “2” | “3” | … | “9”**

**2.character**

**char = “letter” | ”digit"**

**3.string**

**string = char{char}**

**char:=letter|digit**