The Alphabet for any given programming language

That has every character and number:

Σ={0,1,2,…,9}∪{a,b,c,…,z}∪{A,B,C,…,Z}∪{+,-}

The RE for integer:

Regular Expression:

[0∪[1−9][0−9]*

The RE for floating integer:

Regular Expression:

([0∪[1−9][0−9]*)([0-9]∗ ∪ ϵ)

To make the dot (.) optional.

The RE for identifier:

([-∪[a-z])([a-z] ∪[0-9] ∪-)*

The RE for strings:

"(^")∗"

where ^x= Σ *− Σ x

(complement).

The RE for new line:

"(^("∪ \n))*"

The RE for keywords:

if∪ else∪ for∪ while∪ function∪ int

The Relation Operation:

(== ∪ != ∪ <= ∪ >= ∪<∪ >)

Operator

([1-9][1-9]*) ∪ *∪ % ∪ && ∪\ ∪! ∪ ^ ∪ &)