

Eck Programming Language Lexical Elements

Whitespace in Eck can separate lexemes, but is otherwise ignored.

keyword: **boolean** | **char** | **class** | **constructor** | **do** | **else** |
false | **field** | **function** | **if** | **int** | **method** |
null | **return** | **static** | **this** | **true** |
void | **while**

symbol: { | } | (|) | [|] | . | , | ; |
+ | - | * | / | & | | | < | > | = | ~

integerConstant: a decimal number in the range 0 .. 32767

0 | **[1...9][0...9]***

stringConstant: a double quote, followed by a sequence of characters not including a double quote,
terminated by a double quote encountered

" [.]* "

identifier: a sequence of letters, digits, and underscores, not starting with a digit

([A...Z] | [a...z] | _) ([A...Z] | [a...z] | [0...9] | _)*

comment: any characters between /* and */, or the any characters between // and the newline
character \n

/* [.]* */ | **// [.]* \n**