

value

expression a construct that compute (or evaluates to) a value

variable a name for a memory location either one holding a single value or an array

array an area in memory which can hold a finite number of values in an ordered fashion, with positions number starting from zero

statement a construct that results in a side effect rather than a value

Expressions may have the following forms:

- number (a *literal* value)
- variable
- variable [expression] (for arrays)
- expression operator expression (for example, 5 + x)

We have the following kinds of *statements* and their forms

assignment variable = expression or variable [expression] = expression

decision if condition statement { else statement }

repetition while condition statement

display print expression