# More Complex Functions

We can use local identifiers and global identifiers in functions just as we can with procedures. We can also use arrays as parameters. Here is an example of a function that uses an array as a parameter. It will find the number of positive integers in an array of integers.

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| |  | | --- | | **function** countPositive (a : **array** 1 .. \* of **int**) : **int**  **var** count : **int** := 0    **for** i : 1 .. upper(a)  **if** a(i) > 0 **then**  count := count + 1  **end** **if**  **end** **for**    **result** count  **end** countPositive  *% main program*  **var** numbers : **array** 1 .. \* of **int** := init (50, -2, 40, -9, 99)  **put** "There were ", countPositive(numbers), " positive numbers in the array." | |

It will produce the following output:

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| There were 3 positive numbers in the array. |