

Extra exercise:

Write a function that takes one (array) parameter and returns one (array) expression. The function body should find the indices of the n smallest values in an array of n elements. Write a program to test this function by making a call with the parameter, "arrayOfNums":

arrayOfNums = {2, 6, 3, 1, 9, 8, 5, 2, 5, 7}.

The output of the program should look something similar to the following:

Array:	2 6 3 1 9 8 5 2 5 7
Indices:	4 1 8 3 7 9 2 10 6 5

Hint: The solution is greatly simplified if the indices of the previous smallest elements are stored. Another array with a size equal to that of the arrayOfNums can be used to store whether an index has been previously found to be the next smallest. The values in this array have indices that correlate to those of arrayOfNums - boolean true / false values are well suited.