# Algorithm to find Smallest & Second Smallest value given multiple ints

Given n as number of input ints
Given set S of size num of input ints
Let smallest = MAX_VALUE
Let secondSmallest = MAX_VALUE
for i in n:
    if i < smallest:
        secondsmallest = smallest
        smallest = i
    if i < secondsmallest and i != smallest:
        secondSmallest = i
return smallest and secondSmallest

This works because we loop through each value to make sure we compare with the smallest and second smallest while making sure smallest doesn't equal second smallest

Runtime estimate: O(n) - for loop until n is reached