```cpp
// Problem Set 2, 2024

#include "SortableIntVector.h"

SortableIntVector::SortableIntVector(const int aArrayOfIntegers[], size_t aNumberOfElements) :
    // calls super class constructor
    IntVector(aArrayOfIntegers, aNumberOfElements)
{ }

void SortableIntVector::sort(Comparable aOrderFunction)
{
    // only calls the getter once
    size_t lSize = size();

    // sorts in INCREASING order
    for (size_t i = 0; i < lSize - 1; i++)  // outer loop
    {
        for (size_t j = 0; j < lSize - 1 - i; j++)  // inner loop
        {
            // compares adjacent elements and swaps if the former has bigger value
            if (!aOrderFunction((*this)[j], (*this)[j + 1]))
            {
                swap(j, j + 1);
            }
        }
    }
}
```