#include <iostream>

#include <vector>

#include "Utility.h"

This procedure takes an vector of ints and sorts them in place. After a call to this procedure the vector of ints passed in will be sorted from highest to lowest.

<param name="numbers">an array of ints to sort</param>

void SortVectorHighToLow(std::vector<int>& numbers) {

int tmp;

for (int i = 1; i < numbers.size(); i++)

{

for (int j = i; j > 0 && numbers[j] > numbers[j - 1]; j--)

{

tmp = numbers[j];

numbers[j] = numbers[j - 1];

numbers[j - 1] = tmp;

}

}

}

Create your own PrintVector method that will display the contents of a given vector to the console.

int main()

{

Ask the user how many high scores they want. Then read in their input. Support error checking (input validation).

The stoi() method DOES NOT VALIDATE

The user should only be able to input a POSITIVE integer value (greater than 0). To validate the user input, use the provided Utility methods as outlined within the Practical Overview video.

Define an vector of ints, which will hold the high scores. Make the vector the exact size indicated by the user above.

Ask the user for each high score and read in their inputs. Make sure to read in as many high scores are in the vector. If the high score vector is size 5, then read in 5 inputs. You DO NOT NEED to support error checking for each score; assume each input will be an integer.

std::cout << "\n" << "High Scores - Unsorted" << std::endl;

Call \*\*your\*\* PrintVector method (which you must write above - it's a separate TODO before the main() method) passing the vector of high scores.

Call the SortVectorHighToLow method (already written above so don't attempt to change/re-write it). Pass the vector of high scores, to sort them.

std::cout << "\n" << "High Scores - Sorted" << std::endl;

Call \*\*your\*\* PrintVector method (which you must write above) passing the vector of high scores.

std::cout << "Press any key to exit . . . " << std::endl;

std::cin.get();

}