CIS 1.5 Fall 2009 Lab V.1

1. Write a program that declares an array of doubles with 5 members.
   The program should use a `for` loop to:

   - Ask the user to enter a number.
   - Enter that number into the array.

   The program should use another `for` loop to print the contents of the array out.

2. Modify the program so that in addition it uses a `while` loop to search through the array looking for the smallest element of the array.
   Print this smallest element out.

3. Add some further functionality to the program.
   Use a loop to step through the array comparing each element of the array to the next element in the array. If it is smaller than the next element, print:

   > YES!

4. Modify the program you wrote for the last question so that when it prints the message it also swaps the two elements of the array.
   Print out the array.