Demo: How to use arrays to organize data items (coding questions during the Lecture on 02/16/2023))

You can practice how to use arrays by downloading the source code:

[https://www.cs.uky.edu/~yipike/CS215/DemoArrays.cppLinks to an external site.](https://www.cs.uky.edu/~yipike/CS215/DemoArrays.cpp)

The complete demo program can be found from the following link:

[https://www.cs.uky.edu/~yipike/CS215/DemoArraysKey.cppLinks to an external site.](https://www.cs.uky.edu/~yipike/CS215/DemoArraysKey.cpp)

This Demo program uses three arrays: smallArray, midArray and largeArray as examples, their capacities are 5, 10 and 100 respectively), and solve the following FOUR sub-problems:

1. decide the maximum value from each of two arrays: midArray and largeArray, respectively (find minimum value should be quite similar)
2. define a function to insert a new data item at the tail of the array (Note that the capacity may be reached!!!)

    call this function to append the items from smallArray to largeArray

1. define a function to remove the maximum value from an array (Note the size of the array will be changed!!!)
2. use your creative ideas to do something extra (The instructor shows the example of calling function at 3, to help sort numbers in descending order)

Enjoy coding...as always:)