Array Assignments.

1. Write the code for the following problem. Assign 10 last names to an array. Write a function to display the names. Write another function to display the names in reverse order.

Input	Process	Output
10 last names	Store the last names in an array	Display the names in their original order
	Write a function to display the names in their original order	Display names in reverse order
	Write another function to display the names in reverse order	

2. Write the code for the following problem. Add another array to problem 1 above. This array should contain exam score for the respective students. That is, the first name goes with the first score etc. These are called parallel arrays. Also modify the display functions to include exam score array in addition to the last name array.

Input	Process	Output
An array of student names	Initialize parallel arrays with student names and exam scores	Display the student names and exam scores
An array of corresponding exam scores	Create a function to display the student names and exam scores	

3. Write the code for the following problem. The data to load is lastname and score. You can do this from a file. Add a function to problem to display the last name and highest, last name and lowest. Hint: for highest initialize a variable to 0 (high_var). If the array value is higher than the high_var then set high_var to the array value and set high_index to the position of the array. Proceed through the array until you get to the end. Do the same for finding the lowest using low_var set to 999 (higher than the highest value).

Input	Process	Output
A file containing last name and score	Load the data from the file	Last name and highest score
	Find the highest and lowest scores	Last name and the lowest score
	Find the last names associated with the highest and lowest scores	

4. Load list of 10 Player Names and Batting Averages from a file into arrays. (Create your own file with two items: player last name and batting average, i.e. 0.267, 0.300 etc). Write a function to display the arrays. Then use a while loop to repeatedly ask the user for a last name. Write another function to search for the last name in the array and then display last name and batting average when found.

Input	Process	Output
10 player names and batting averages from a file	Create a function to display the arrays	Display the last name and batting average
	Create a function to search for the last name in the array	
	Use a while loop to repeatedly ask the user for a last name	

5. Modify 4 above to display a message, “Name not found” when the name is not in the list.

Input	Process	Output
Load the list of player names and batting averages from a file	Create a function to display the arrays	Display the last name and batting average when found, or display “Name not found” when the name is not on the list
	Create a function to search for the last name in the array	
	Use a while loop to repeatedly ask the user for a last name	
	Display a message “Name not found” when the name is not in the list	