Working with Arrays

The assignment is divided into five parts. A separate button is required for each portion of the assignment. Your form should also include a textbox and a button for storing the required data in an array. Each part should display an appropriate message before displaying the results in the listbox.

Part A: "Sixes"

Given an array of integers, return TRUE if 6 appears as either the first or last element in the array. The array will be length 1 or more. Result should be stored in a Boolean variable prior to being displayed in a ListBox.

Part B: "Array Sum"

Given an array of integers length 3, return the sum of all the elements. Results should be displayed in a ListBox.

Part C: "Rotate Left"

Given an array of integers length 3, return an array with the elements "rotated left" so {1, 2, 3} yields {2, 3, 1}. Results should stored in the array before being displayed in a ListBox.

Part D: "Reverse"

Given an array of integers length 3, return a new array with the elements in reverse order, so {1, 2, 3} becomes {3, 2, 1}. Results should stored in a second array before being displayed in the ListBox.

Part E: "Even Numbers"

Return the number of even integers in the given array. Note: Modulus division computes the remainder. Results should be displayed in the ListBox.