Array Practice

1. Write a program that accepts an array of integers and calculates the average of all the elements.
2. Write a program that accepts an array of integers and finds the maximum and minimum elements in the array.
3. Write a program that accepts an array of integers and counts the number of even and odd elements.
4. Write a program that accepts an array of integers and finds the second largest element in the array.
5. Write a program that accepts an array of integers and removes all the duplicate elements.