LAB Exercises

1. Write a program that inputs 10 integers into an array and determines if it is in ascending order or not.
   
   **Sample Run:**
   
   Enter 10 integers: 3 4 1 8 9 5 5 3 2 1 0
   Numbers are not in ascending order.

2. Write a program that gets 10 real numbers into an array. It will create and display the new array which consists of the input numbers that are greater than the average of the array.

3. Write a program that inputs N (assume N<30), and N integers into a 1-Dimensional array. It will find and display how many times the array elements are repeated in the array.

   **Sample Run:**
   
   Enter N (N<30): 6
   Enter 6 integers: 1 2 1 1 7 7
   1 occurs 3 times
   2 occurs 1 times
   7 occurs 2 times

4. Write a program that inputs N (assume N<30), and N integers into a 1-Dimensional array and an integer value num. Program searches value num in the array and deletes it from the array, displaying the updated array. Use function find() that receives an array and an integer, it updates the array by removing all occurrences of the received integer from the array.