1. Take 10 integer inputs from user and store them in an array and print them on screen.

2. Take 10 integer inputs from user and store them in an array, thereafter, ask the user to enter a number. Afterwards, tell user whether that number is present in array or not.

3. Take 20 integer inputs from user and print the following:
   number of positive numbers
   number of negative numbers
   number of odd numbers
   number of even numbers
   number of 0's.

4. Write a program to find the sum and product of all elements of an array.

5. Find largest and smallest elements of an array.

6. Write a program to check if elements of an array are the same or not if read from front or back.

7. Take an array of 10 elements. Split it into middle and store the elements in two different arrays.

8. Take an array of length n where all the numbers are nonnegative and unique. Find the element in the array possessing the highest value. Split the element into two parts where first part contains the next highest value in the array and second part hold the required additive entity to get the highest value. Print the array where the highest value get split into those two parts.

   Sample input: 4 8 6 3 2

   Sample output: 4 6 2 6 3 2

9. Write a program to shift every element of an array to circularly right. E.g.-

   INPUT : 1 2 3 4 5

   OUTPUT : 5 1 2 3 4

10. Sorting refers to arranging data in a particular format. Sort an array of integers in ascending order.