1. Write a program to accept the integer values and display the second largest value in an array.
2. Write a program to sort the list of numbers in an ascending and descending order.
3. Write a program to search for a specified number in an array and display with its position.
4. Write a program to find the occurrence of positive, negative, even and odd elements for a given array.
5. Write a program that accepts an array and a key value. Rotate the array element by ‘key’ times.

Example:

Input:  array[]= [1, 2, 3, 4, 5, 6]

key=2

Output : [ 3, 4, 5, 6, 1, 2]

1. Given a square matrix A[5][5], write code to perform the following operations.
2. To compute sum of the major diagonal
3. To compute sum of minor diagonal
4. To compute sum of the elements in the upper triangular matrix
5. To compute the sum of the elements in the lower triangular matrix
6. Given a m x n matrix, consisting exactly of a single zero, set its entire row and column to 0.

Sample input

1 2 4

4 7 0

5 1 8

Sample output

1 2 0

0 0 0

5 1 0

Note: If matrix contains no zeroes or more than a single zero the original matrix should be printed without any change.

1. **Write a C program to merge sorted array?**
2. **Write a C program to remove duplicates from array in place?**
3. **Write a C program to rearrange array in alternating positive and negative number?**
4. **Write a C program to find the smallest positive integer value that cannot be represented as sum of any subset of a given array?**
5. **Write a C program to find common elements in three sorted array?**
6. **Write a C program to find kth largest element in unsorted array?**