**Problem Statements**

1. Write a program to find second largest element in a given array of integers.
2. Write a program to find ***k*** largest element in a given array of integers. Value of ***k*** will be provided by user.
3. Write a program to take ***k*** integers from user & store in an array. Value of ***k*** will be provided by user. Check & print on screen if the array is in wave form. An array is called a wave array if adjacent numbers are greater and less than each other in alternate manner.
4. Write a program to take ***k*** integers from user & store in an array. Update each array element by multiplication of next and previous values. Multiply by 1 of either of the numbers is missing.
5. Write a program to count the number of occurrences of given number in an array of integers.
6. Write a program to make three arrays & fill each array with 5 integers each, input by user. Display list of common integers of all three arrays.
7. Write a program to initialize an array of 15 numbers. Print all pairs of integers whose sum is equal to a specified number ***k***. Value of ***k*** should be input by user.
8. Write a program to take ***k*** integers from user & store them in an array. Print the maximum difference between two adjacent elements of the array.