PROGRAMMING QUESTIONS:

BASIC LEVEL:

Q1.Write a program to find 3rd maximum in an array in O(n) time.

Q2. Given a string write to program to check whether a string is in Alphabetical Order or Not?

Q3. Write an efficient program to find the sum of contiguous sub-array within a one-dimensional array of numbers which has the largest sum.

INTERMEDIATE LEVEL:

Q4. Write a program to print all the LEADERS in the array. An element is leader if it is greater than all the elements to its right side. And the rightmost element is always a leader.

Q5.
Remove duplicates from a given string

Given a string S, the task is to remove all the duplicates in the given string.

Q6. Write a program that rotates array of size n by d elements.

GOOD LEVEL:

Q.7 finding sum of digits of a number until sum becomes single digit.

Q8. **Write your own atoi()**

The atoi() function takes a string (which represents an integer) as an argument and returns its value of type int. So basically the function is used to convert a string argument to an integer.

Q9. Given a number n, print all primes smaller than or equal to n.

Q10. Write a program when you are given two sorted arrays, the task is to merge them in a sorted manner.