Q19.Third largest element  
[https://www.geeksforgeeks.org/problems/third-largest-element/1?page=3&difficulty=Basic&sortBy=difficulty](https://www.geeksforgeeks.org/problems/third-largest-element/1?page=3&difficulty=Basic&sortBy=difficulty" \t "https://classroom.google.com/c/_blank)  
Q23.Maximum product of two numbers  
[https://www.geeksforgeeks.org/problems/maximum-product-of-two-numbers2730/1?page=3&difficulty=Basic&sortBy=difficulty](https://www.geeksforgeeks.org/problems/maximum-product-of-two-numbers2730/1?page=3&difficulty=Basic&sortBy=difficulty" \t "https://classroom.google.com/c/_blank)  
  
Q24. Difference between highest and lowest occurrence  
[https://www.geeksforgeeks.org/problems/difference-between-highest-and-lowest-occurrence4613/1?page=4&difficulty=Basic&sortBy=difficulty](https://www.geeksforgeeks.org/problems/difference-between-highest-and-lowest-occurrence4613/1?page=4&difficulty=Basic&sortBy=difficulty" \t "https://classroom.google.com/c/_blank)  
  
Q25.Last index of One  
[https://www.geeksforgeeks.org/problems/last-index-of-15847/1?page=4&difficulty=Basic&sortBy=difficulty](https://www.geeksforgeeks.org/problems/last-index-of-15847/1?page=4&difficulty=Basic&sortBy=difficulty" \t "https://classroom.google.com/c/_blank)  
Q23. Problem Description  
Given an array of integers, find the longest contiguous subarray whose  
elements are increasing, that is, the elements following the preceding  
elements in the subarray must be greater than them.  
Example:  
  
Array = [5, 6, 3, 0, 7, 8, 9, 1, 2]  
  
Output: 0 7 8 9  
  
  
Q18. This is the Java Program to Find Repeated Elements and the  
Frequency of Repetition.  
  
Problem Description  
Given an array of integers, find and print the repeated elements and their  
frequency of repetition.  
  
Example:  
Array: [1,2,3,4,5,5,3]  
  
Output:  
Element—–&gt;Frequency  
  
3—–&gt;2  
5—–&gt;2  
  
Q20. his is the Java Program to Print Elements Which Occurs Even  
Number of Times.  
  
Problem Description  
Given an array of elements, print the elements whose frequency is even.  
Example:  
  
array = {5, 5, 2, 2, 2, 4, 4, 1, 7, 1}  
Output = 5 4 1  
  
  
  
Q21. This is the Java Program to Print Elements Which Occur Odd  
Number of Times.  
  
Problem Description  
Given an array of integers, print all the elements whose frequency are  
odd.  
  
Example:  
Array = [5, 4, 4, 2, 1]  
  
Array Based Task  
  
By Ram Lovewanshi Mobile: 7648904739  
  
Output: 5 2 1.  
Q23. Problem Description  
Given an array of integers, find the longest contiguous subarray whose  
elements are increasing, that is, the elements following the preceding  
elements in the subarray must be greater than them.  
Example:  
  
Array = [5, 6, 3, 0, 7, 8, 9, 1, 2]  
  
Output: 0 7 8 9  
  
  
Q24. Problem Description  
  
Array Based Task  
  
By Ram Lovewanshi Mobile: 7648904739  
  
Given an array of integers, find the longest contiguous subarray whose  
elements are decreasing, that is, the elements following the preceding  
elements in the subarray must be smaller than them.  
Example:  
  
Array = [5, 6, 3, 0, 7, 8, 9, 1, 2]  
  
Output: 6 3 0  
Q26. Problem Description  
Given an array of integers, shift all the zeroes present in it to the  
beginning.  
Example:  
  
Array = [1 0 2 3 0 4]  
  
Output  
Array = [0 0 1 2 3 4]  
==================================================  
Q28. Problem Description  
Given two arrays of integers, find and print the union and intersection of  
the arrays.  
  
Example:  
  
Array Based Task  
  
By Ram Lovewanshi Mobile: 7648904739  
  
Array: [1,2,3,4,5]  
  
Array1: [5,3,6,7,9]  
  
Output:  
Union = [1,2,3,4,5,6,7,9]  
Intersection = [3,5]  
  
  
Q31. Given an array arr[] of non-negative integers and an integer sum,  
find a subarray that adds to a given sum.  
  
Note: There may be more than one subarray with sum as the given sum,  
print first such subarray.  
  
Examples:  
  
Input: arr[] = {1, 4, 20, 3, 10, 5}, sum = 33  
Output: Sum found between indexes 2 and 4  
  
Array Based Task  
  
By Ram Lovewanshi Mobile: 7648904739  
  
Explanation: Sum of elements between indices 2 and 4 is 20 + 3 + 10 =  
33  
  
Input: arr[] = {1, 4, 0, 0, 3, 10, 5}, sum = 7  
Output: Sum found between indexes 1 and 4  
Explanation: Sum of elements between indices 1 and 4 is 4 + 0 + 0 + 3  
= 7  
  
Input: arr[] = {1, 4}, sum = 0  
Output: No subarray found  
Explanation: There is no subarray with 0 sum  
  
  
Q33. Maximum Product Subarray  
Given an array that contains both positive and negative integers, the task  
is to find the product of the maximum product subarray.  
  
Examples:  
  
Input: arr[] = {6, -3, -10, 0, 2}  
Output: 180  
Explanation: The subarray is {6, -3, -10}  
  
Input: arr[] = {-1, -3, -10, 0, 60}  
Output: 60  
Explanation: The