1D Arrays

Assignment Questions

Q1: Write a program to print the sum of all the elements present on even indices in the given array.
Input 1: arr[] = {3,20,4,6,9}
Output 1: 16

Input 1: arr[] = {4,3,6,7,1}
Output 1: 11

Q2: Write a program to traverse over the elements of the array using for each loop and print all even elements.
Input 1: arr[] = {34,21,54,65,43}
Output 1: 34 54

Input 1: arr[] = {4,3,6,7,1}
Output 1: 4 6

Q3: Write a program to calculate the maximum element in the array.
Input 1: arr[] = {34,21,54,65,43}
Output 1: 65

Input 1: arr[] = {4,3,6,7,1}
Output 1: 7

Q4: Write a program to find out the second largest element in a given array.
Input 1: arr[] = {34,21,54,65,43}
Output 1: 54

Input 1: arr[] = {4,3,6,7,1}
Output 1: 6

Q5: Given an array. Find the first peak element in the array. A peak element is an element that is greater than its just left and just right neighbor.

Input 1: arr[] = {1,3,2,6,5}
Output 1: 6

Input 2: arr[] = {1 4,7,3,2,6,5}
Output 1: 7