

Ques 01

```
package ques01;

import java.util.Arrays;
import java.util.Scanner;

public class ques01 {

    public static void sorted(int arr[],int n)
    {
        Arrays.sort(arr);
        int prev=Integer.MIN_VALUE;
        int arr2[]=new int[n];
        int c=0;
        for(int i=0;i<n;i++)
        {
            if(prev!=arr[i])
            {
                System.out.print(arr[i]);
                arr2[c++]=arr[i];
                prev=arr[i];
            }
        }
        System.out.println();
        for(int i:arr2)
        {
            System.out.print(i+", ");
        }
    }

    public static void main(String[] args) {

        int arr[]={ 1 , 1 , 2, 2, 2, 5 };
        int size=arr.length;
        sorted(arr,size);

    }
}
```

Ques 02

```
package ques02;

public class ques02 {

    public static int sum_array(int[] arr,int n,int k)
    {
        int sum_arr=0;

        if(n<=k)
        {
            System.out.println("invalid");
            return -1;
        }
        for(int i=0;i<k;i++)
        {
            sum_arr +=arr[i];
        }

        int window_sum=sum_arr;
        for(int i=k;i<n;i++)
        {
            window_sum +=sum_arr+arr[i]-arr[i-k];
            sum_arr=Math.max(window_sum, sum_arr);
        }

        return sum_arr;
    }

    public static void main(String[] args) {

        int arr[] = {100, 200, 300, 400};
        int n=arr.length;
        int k=2;

        int maxSum=sum_array(arr,n,k);
        System.out.println(maxSum);

    }
}
```

