**Second Java Assignment**

**WAP to find the duplicates present in an array.**

Answer:

public class JavaAssignment\_2\_1 {

public static void main(String[] args) {

int [] arr = {5,2,5,10,11,10};

System.out.println("Duplicate elements in given array: ");

for(int i = 0; i < arr.length; i++) {

for(int j = i + 1; j < arr.length; j++) {

if(arr[i] == arr[j])

System.out.println(arr[j]);

}

}

}

}

**WAP to sort an array using Bubble Sort Algorithm.**

Answer;

public class JavaAssignment\_2\_2 {

public static void main(String[] args) {

int[] ar = {4,9,6,2,9,20,1,5,15,3};

for(int i =0;i<ar.length;i++) {

for(int j= 0;j<ar.length;j++) {

if(ar[i]<ar[j]) {

int temp = ar[i];

ar[i]=ar[j];

ar[j]=temp;

}

}

}

for(int elem:ar) {

System.out.print(elem+" ");

}

}

}

**WAP to check whether an array is a subset of another array.**

Answer:

public class JavaAssignment\_2\_3 {

public static void main(String[] args) {

int[] a = {9,6,10,3};

int[] b = {7,8,6,5,9};

int res =0;

//here checking a is the subset of b

for(int i=0;i<a.length;i++) {

for(int j =0;j<b.length;j++) {

if(a[i]==b[j]) {

System.out.println("a is the Subset Of b");

j =b.length;

res++;

}

if(res>0) {

i=a.length;

}

}

}

if(res==0) {

System.out.println("a is not a subset of b ");

}

}

}