```java
1
2 public class JavaAssignment_2_1 {
3 //1.Finding Duplicate Arrays
4     public static void main(String[] args) {
5         int [] arr =  {5,2,5,10,11,10};
6
7         System.out.println("Duplicate elements in given array: ");
8
9         for(int i = 0; i < arr.length; i++) {
10            for(int j = i + 1; j < arr.length; j++) {
11                if(arr[i] == arr[j])
12                    System.out.println(arr[j]);
13            }
14        }
15
16
17
18        }
19    }
20
21
22
```

```java
1
2  public class JavaAssignment_2_2 {
3  //2.Bubble Sort
4      public static void main(String[] args) {
5          int[] ar = {4,9,6,2,9,20,1,5,15,3};
6          for(int i =0;i<ar.length;i++) {
7              for(int j= 0;j<ar.length;j++) {
8                  if(ar[i]<ar[j]) {
9                      int temp = ar[i];
10                     ar[i]=ar[j];
11                     ar[j]=temp;
12                 }
13             }
14         }
15         for(int elem:ar) {
16             System.out.print(elem+" ");
17         }
18
19     }
20
21 }
22
```

```java
1
2 public class JavaAssignment_2_3 {
3 //3.Checking For the Subset
4     public static void main(String[] args) {
5         int[] a = {9,6,10,3};
6         int[] b = {7,8,6,5,9};
7         int res =0;
8         //here checking a is the subset of b
9         for(int i=0;i<a.length;i++) {
10            for(int j =0;j<b.length;j++) {
11                if(a[i]==b[j]) {
12                    System.out.println("a is the Subset Of b");
13                    j =b.length;
14                    res++;
15                }
16                if(res>0) {
17                    i=a.length;
18                }
19            }
20        }
21        if(res==0) {
22            System.out.println("a is not a subset of b ");
23            }
24
25        }
26    }
27
```