1st

```
public class Test1{

   public static void findSecond(int []a)
   {
      int firstMax=Integer.MIN_VALUE,firstMin=Integer.MAX_VALUE;
      int secondMax=firstMax;
      int secondMin=firstMin;

      for(int i=0;i<a.length;i++)
      {
         if(a[i]>firstMax)
         {
            secondMax=firstMax;
            firstMax=a[i];
         }else if(a[i]<firstMax && a[i]>secondMax)
         {
            secondMax=a[i];
         }

         if(a[i]<firstMin)
         {
            secondMin=firstMin;
            firstMin=a[i];
         }else if(a[i]>firstMin && a[i]<secondMin)
```

```
        {
            secondMin=a[i];
        }
      }

      System.out.print(secondMin+" "+secondMax);
   }

   public static void main(String args[])
   {
      int arr[]={ 5, 10, 0, 2, 3, 4};
      findSecond(arr);
   }
}
```

2nd

```
public class Test2{
   public static void main(String agrs[])
   {
      int a[]={1, 3, 4, 5, 7};
      int b[]={2,3,5, 6};
      findMatching(a,b);
   }

   public static void findMatching(int []a,int[] b)
```

```
    {
        int i=0,j=0;
        while(i<a.length && j<b.length)
        {
            if(a[i]==b[j])
            {
                System.out.print(" "+a[i]);
                i++;
                j++;
            }
            else if(a[i]<b[j])
            {
                i++;
            }
            else{
                j++;
            }
        }
    }
}
```