```java
public class a5task1
  {
    public static void  main(String []args )
    {
int []marks={10,30,20,50,40};
int min=marks[0];
int max=marks[0];
int sum=marks[0];
intavg=0;
int c=1;
    for(int i=1;i<=marks.length-1;i++)
      {
      if (marks[i]<min)
        min=marks[i];
      if (marks[i]>max)
        max=marks[i];
      sum=sum+marks[i];
c++;
      }
avg=sum/c;
System.out.println("Highest mark is "+max);
System.out.println("Lowest mark is "+min);
System.out.println("Average mark is "+avg);
      }
  }
```

```java
public class a5task2
 {
   public static void  main(String []args )
   {
int []marks={10,30,20,50,40};
int sum=0;
Int avg=0;
int c=0;
int j=0;
    for(int i=0;i<=marks.length-1;i++)
      {
       sum=sum+marks[i];
c++;
      }
avg=sum/c;
     for(int i=0;i<=marks.length-1;i++)
      {
       if (marks[i]>avg)
        j++;
      }
System.out.println(j +" students are better than average");
System.out.println("They received following marks ");
     for(int i=0;i<=marks.length-1;i++)
      {
       if (marks[i]>avg)
System.out.println(marks[i]);
      }
    }
   }
```

```java
public class a5task3
{
public static void  main(String []args )
    {
int []marks={10,30,20,50,40};
int largest=marks[0];
int i;
int location=0;
    for(i=1;i<=marks.length-1;i++)
     {
      if (marks[i]>largest)
       {
       largest=marks[i];
       location=i;
       }
     }
System.out.println("Largest number is "+largest);
System.out.println("Largest number was found at location  "+location);
     }
  }
```

```java
public class a5task4
  {
    public static void  main(String []args )
    {
int []marks={10,30,20,50,40};
int largest=marks[0];
int i;
    for(i=1;i<marks.length-1;i++)
      {
       if (marks[i]>largest)
        largest=i;
      }
int backup=marks[0];
    marks[0]=marks[largest];
    marks[largest]=backup;
    for(i=0;i<=marks.length-1;i++)
System.out.print(marks[i]+",");
      }
    }
```

```java
public class a5task5
  {
    public static void  main(String []args )
    {
int []marks={50,30,20,10,40};
intsecondLargest=marks[1];
int i;
intsecondLargestPosition=1;
    for(i=2;i<=marks.length-1;i++)
      {
        if (marks[i]>secondLargest)
secondLargest=marks[i];
secondLargestPosition=i;
      }
int backup=marks[1];
    marks[1]= secondLargest;
    marks[secondLargestPosition]=backup;
    for(int j=0;j<=marks.length-1;j++)
System.out.print(marks[j]+",");

      }
  }
```

```java
import java.util.Scanner;
public class a5task6
{
  public static void main(String[]args)
{
int[]a={10,30,20,50,40};
    Scanner sc=new Scanner(System.in);
int n=sc.nextInt();
    for(int i=0;i<n;i++)
{
int max=a[i];
     for(int j=i+1;j<a.length;j++)
{
     if(a[j]>max)
{
int temp=a[i];
        a[i]=a[j];
        a[j]=temp;
        max=a[i];
 }
     }
     }
System.out.println(a[n-1]);
  }
}
```

```java
public class a5task7
 {
   public static void  main(String []args )
   {
int []marks={50,30,20,10,40};
     for(int k=0;k<marks.length;k++)
     {
int largest=k;
int m;
     for( m=k+1;m<=marks.length-1;m++)
      {
        if (marks[m]>marks[largest])
        {largest=m;}
      }
int backup=marks[k];
    marks[k]= marks[largest];
    marks[largest]=backup;
     }
     for(int j=0;j<=marks.length-1;j++)
System.out.print(marks[j]+",");

     }
  }
```

```java
import java.util.Scanner;
public class a5task8
 {
   public static void  main(String []args )
   {
    Scanner sc=new Scanner(System.in);
System.out.println("Enter a number:");
intnum=sc.nextInt();
int []marks=new int[num];
    for(int p=0;p<=marks.length-1;p++)
     {
System.out.println("Enter a number:");
      marks[p]=sc.nextInt();
     }
    for(int k=0;k<marks.length;k++)
     {
int largest=k;
int m;
    for( m=k+1;m<=marks.length-1;m++)
      {
       if (marks[m]>marks[largest])
       {largest=m;}
      }
int backup=marks[k];
    marks[k]= marks[largest];
    marks[largest]=backup;
     }
int g;
int h;
    if(num%2!=0)
    {
     g=(num-1)/2;
System.out.println(marks[g]);
    }
    else
    {
     g=(num/2)-1;
     h=(num/2);
     float b=(marks[g]+marks[h])/2;
System.out.println(b);
```

}
}
}