Llars Java with Seamer; clars Java with Seamer; public static void main (string age []) int n; int nums[]; deamer so = new seamer (systemin); System out printla ("Enter the value of n = "); nums = new int [n]; int sum-even=0, sums odd=0; for (ind i=0; i <n; ("nums[vd]=", i+1); nums[i] = ss. next Int();] [aum even=0, si+=2;] [si (int i=0; i<n; i++) [lum odd = 0; si+=2;] Sum ort with the lum of numbers of even indices: " even!<="" i++)="" out="" printly="" system="" team="" th=""><th>Entra programs week 3:-</th><th></th></n;>	Entra programs week 3:-	
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public static void main (String args[]) int ny int nums[]; Stanner Ss = new Sanner (Systemin); System out println ("Enter the value of n = "); nums = new int [n]; int sum even=0, sum odd=0; for (int i=0; i <n; "+sum="" ("nums[xd]=", i+1); nums[i] = Ss. next Int(); } for (int i=0; i<n; i++) [sum enen=0; >i+=2; } for (int oi=1); i<n; i++) [sum odd=0; 2 i+=2; } Sum odd=0; 7 i+=2; } Sum odd=0; 7 i+=2;</td><td>Impost and will C</td><td>-</td></tr><tr><td>public static void main (String angel) int n; int nums[]; Stanner Sc = new Sanner (Systemin); System out println (" enter="" even="" i++)="" inclices:="" m="); nums = new int [n]; int sum even=0, sum odd=0; for (ind i=0; i<n; i++) System out printf (" n="); R n=SS. vert Int(); nums = new int[n]; int sum even=0, sum odd=0; for (ind i=0; i<n; i+t) System out printf(" numbers="" nums[xd]=", i+1); nums[i] = SS. next Int(); } for (int i=0; i<n; i+t) { sum enen=0; > i+=2; 3 for (int = i=1; i<n; i+t) { sum odd = 0; > i+=2; } Sunkus out slindln (" of="" out="" printf="" questions."<="" sum="" system="" td="" the="" value=""><td>public static word was (since</td><td></td></n;>	public static word was (since	
Jeanner Se = new Searner (Systemin); System Out println ("Enter the value of n = "); By n=Ss. vert Tat (); nums = new int [n]; int sum even=0, sum odd=0; for (ind i=0; i <n; "+sum_event.")<="" ("nums="" [xd]=", i+1); nums [i] = SS. nex+ Tht(); for (ind i=0; i<n; i++) [Sum_even=0; >i+=2; 3 for (ind #i=1; i<n; i++2) [Sum_odd = 0; 7 i+= 2; } Sunkers out slindly (" ender="" enter="" even="" f="" i++)="" indices:="" m=")</td><td>•</td></tr><tr><td>for (ind i=0; i<n; i++) (System.out.print f (" n="); On n=SS. next Int (); nums = new int [n]; int sum_even=0, sum_odd=0; for (ind i=0; i<n; i++) System. out. printf (" numbers="" nums="" of="" out="" print="" sum="" system="" td="" the="" value=""><td>ment but ();</td><td></td></n;>	ment but ();	
for (ind i=0; i <n; "+sum_event.")<="" (="" ("nums="" [xd]=", i+1); nums [i] = SS. nex+ Tht(); for (ind i=0; i<n; i++) [Sum_even=0; >i+=2; 3 for (ind #i=1; i<n; i++2) [Sum_odd = 0; 7 i+= 2; } Sunkers out slindly (" even="" f="" i++)="" indices:="" numbers="" of="" sum="" system.out.print="" td="" the=""><td>nums = new int [n] ; the</td><td></td></n;>	nums = new int [n] ; the	
System. out. printf ("rums [xd] = ", i+1); nums [i] = SS. next Tnt(); for (int i=0; i <n; i+1)="" sum_even="0;" =""> i+=2; gradum_odd = 0;</n;>	Int Sum_liven = 0. Sum = odd = 0:	
nums[i] = SS. next Tnt(); for (int i = 0; i < n; i+=2); for (int i = 1; i < n; i+=2); for (int i = 1; i < n; i+=2); fun_odd = 0; Fig. (int i = 1; i < n; i+=2); Sum_odd = 0; Fig. (int i = 1; i < n; i+=2); Sum_odd = 0; Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n	for (ind i=0; i <n; i++)<="" td=""><td></td></n;>	
nums[i] = SS. next Tnt(); for (int i = 0; i < n; i+=2); for (int i = 1; i < n; i+=2); for (int i = 1; i < n; i+=2); fun_odd = 0; Fig. (int i = 1; i < n; i+=2); Sum_odd = 0; Fig. (int i = 1; i < n; i+=2); Sum_odd = 0; Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n; i+=2); Fig. (int i = 1; i < n		
for (int i=0; i <n; i+="2)" sum_even="0;">i+=2; for (int = i=1; i<n; 7="" [="" i+="2;</td" sum_odd="0;" }=""><td></td><td></td></n;></n;>		
Sum_even=0; >i+=2; for (int = i=1; i <n; 7="" i+="2;</td" sum_odd="0;"><td>nums LIJ = Ss. next ht();</td><td></td></n;>	nums LIJ = Ss. next ht();	
Sum_even=0; >i+=2; for (int = i=1; i <n; 7="" i+="2;</td" sum_odd="0;"><td>by (inti-n:icn:int)</td><td></td></n;>	by (inti-n:icn:int)	
for (int # i=1 i i <n; 7="" content="" i+="2;" or="" or<="" sum_odd="0;" td=""><td>102 (108 1-0) (\(\cdot\)</td><td></td></n;>	102 (108 1-0) (\(\cdot\)	
for (int # i=1 i i <n; 7="" content="" i+="2;" or="" or<="" sum_odd="0;" td=""><td>Sum_enen=0; > i+=2;</td><td></td></n;>	Sum_enen=0; > i+=2;	
Sum_odd = 0; 7 i+= 2; Sum_odd = 0; 7 i+= 2; Content of the sum of numbers of even indices: "+ sum_even!	y	
System. out. println ("The sum of numbers of even inclices: "+ sum even); System. out. println ("The dum of numbers of cooled indices: ",+ sum oold); } 3	for (intel=1) i <n; i+=")</td"><td></td></n;>	
Cintern sixt as just on ("The sum of numbers of even indices: "+ sum even);	· C	
System. out. println ("The sum of numbers of even inclices: "+ sum even); System. out. println ("The dum do numbers of coold indices: "+ sum oold); } 3	Sum_odd = 0; 7 i+= 2;	
System. out. println ("The sum of numbers of even indices: "+ sum oold); System. out. println ("The dum do numbers of coold indices: "+ sum oold); 3	}	
System. Dut. printle ("The dum do numbers of colors that les: ", + Jum Ookd); 3	System. out. printly (The sum of numbers of even indices: "+&	m_ever)
3	System. Dut. printle ("The dum of numbers of execution in it is " + Jun	~Odd/;
	1	
	. }	
Planting and the second and the seco		

```
import java.util.Scanner;
class sum arrays {
    Run | Debug
    public static void main(String args[]){
    int n;
    int nums[];
    Scanner ss=new Scanner(System.in);
    System.out.println("Enter the value of n= ");
    n=ss.nextInt();
    nums=new int[n];
    int sum even=0,sum odd=0;
    for(int i=0;i<n;i++)
    {
        System.out.printf("nums[%d] = ",i);
        nums[i]=ss.nextInt();
    for(int i=0;i<n;)
    {
        sum even=sum even+nums[i];
        i+=2;
    for(int i=1;i<n;)
    1
        sum odd=sum odd+nums[i];
        i+=2;
    System.out.println("The sum of numbers of even indices: "+sum_even);
    System.out.println("The sum of numbers of odd indices: "+sum odd);
```

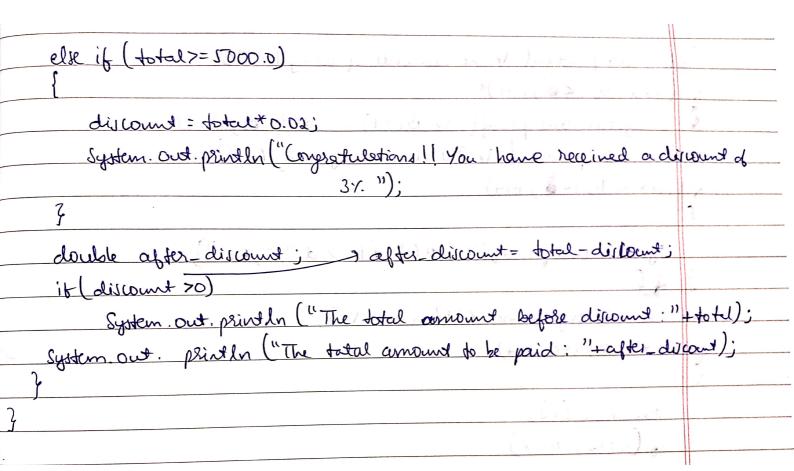
```
Enter the value of n=
10
nums[0] = 1
nums[1] = 2
nums[2] = 3
nums[3] = 4
nums[4] = 5
nums[5] = 6
nums[6] = 7
nums[7] = 8
nums[8] = 9
nums[9] = 10
The sum of numbers of even indices: 25
The sum of numbers of odd indices: 30
PS D:\Java Programs>
```

```
2) importe java util Sconner;
   class pos ng-array 1.
    public static void main (String args[7)
       int nums[]i
       Scanner SS = new Scanner (System.in);
       System. Out. println ("Enter the value of n = ");
       n = ss. next Tut (); and a collaboration
        nums = new int(n);
        for(int i=0; ixn; i++)
           System. out. print f ("rums [Xd] = ", i+1);
           nums[i] = SS. next Int ();
         int count-pos=0 = count reg, count zero = 0;
         for (int i=0; i<n; i++)
           if (nums[i]>0)
               count_pos+a=1;
           else if (num[i] <0)
                (ount_neg += 1)
           else (nums[i] <0)
               count_ pro+=1;
       System out println ("The number of positive numbers = "+ count_pers);
       System out printly ("The number of negative numbers = "+ count-neg);
     System. out. println ("The number of zeros = "+ (ount-zero);
```

```
import java.util.Scanner;
class pos_neg_array{
    Run | Debug
    public static void main(String args[])
    {
        int nums[];
        int n;
        Scanner ss=new Scanner(System.in);
        System.out.println("Enter the value of n= ");
        n=ss.nextInt();
        nums=new int[n];
        for(int i=0;i<n;i++)
        {
            System.out.printf("nums[%d] = ",i);
            nums[i]=ss.nextInt();
        int count pos=0, count neg=0, count_zero=0;
        for(int i=0;i<n;i++)
        €
            if(nums[i]>0)
                count pos+=1;
            else if(nums[i]<0)
                count_neg+=1;
            else
                count zero+=1;
        System.out.println("The number of positive numbers= "+count_pos);
        System.out.println("The number of negative numbers= "+count_neg);
        System.out.println("The number of zeros= "+count zero);
```

```
nums 0 = 1
nums[1] = 2
nums[2] = 3
nums[3] = -4
nums[4] = -5
nums[5] = 0
nums[6] = -1
nums[7] = 0
nums[8] = 8
nums[9] = 23
The number of positive numbers= 5
The number of negative numbers= 3
The number of zeros= 2
PS D:\Java Programs>
```

```
3) import java. whil. Scanner [];
  class syper nerkot ?
    public static void main (String args[])
      double item_price[];
      int item-quentity[];
     Sconner Sc= new Scanner (System.in);
     System. out println ("Enter the rumber of items:");
    n= ss. next Tut ();
    iton_Pice = new @t [n];
    item-quartity = new [n];
    for (int i=0; i<n; i++) - ( )
      p System out. printfo ("Enter the price of item x.d = ", i+1);
      item_price [i] = SS. nextDouble [);
      System. Out. printf ("Enter the pringuantity of item Y.d = " i+1);
     iden-quentity[i] = ss. next Tut ();
   double total=0, discount=0;
   for (int i=0; i<n; i++)
      total + = item_price[i] *item_quantity[i];
   if (total 7 = 10000.0)
       discount = total * 0.05;
      System. Out. println ("Corpretulations! ! You have received a discount
                          of 5% ");
   else if (40tal>= 7580)
      discount = total * 0.003;
      System. out. pintln ("Congratulation! ! You have received a discount
                            d 3%);
```



```
import java.util.Scanner;
class super_market{
    Run | Debug
    public static void main(String args[])
        double item_price[];
        int item_quantity[];
        int n;
        Scanner ss=new Scanner(System.in);
        System.out.println("Enter the number of items: ");
        n=ss.nextInt();
        item price=new double[n];
        item_quantity=new int[n];
        for(int i=0;i<n;i++)
            System.out.printf("Enter the price of item %d : ",i+1);
            item_price[i]=ss.nextDouble();
            System.out.printf("Enter the quantity of item %d: ",i+1);
            item_quantity[i]=ss.nextInt();
        double total=0, discount=0;
        for(int i=0;i<n;i++)
            total += item_price[i] * item_quantity[i];
        if(total>=10000.0)
            discount-total*0.05;
            System.out.println("Congratulations!! You have received a discount of 5% ");
        else if(total>=7500)
            discount=total*0.03;
            System.out.println("Congratulations!! You have received a discount of 3% ");
        else if(total>=5000)
        {
            discount=total*0.02;
            System.out.println("Congratulations!! You have received a discount of 3% ");
        double after discount;
        after discount=total-discount;
        if(discount>0)
            System.out.println("The total amount before discount: "+total);
        System.out.println("The total amount to be paid is: "+after_discount);
```

```
Enter the number of items:

5
Enter the price of item 1 : 5500
Enter the quantity of item 1 : 1
Enter the price of item 2 : 2300
Enter the quantity of item 2 : 3
Enter the price of item 3 : 250
Enter the quantity of item 3 : 5
Enter the price of item 4 : 20
Enter the quantity of item 4 : 1
Enter the price of item 5 : 10
Enter the quantity of item 5 : 15
Congratulations!! You have received a discount of 5%
The total amount before discount: 13820.0
The total amount to be paid is: 13129.0
```

```
u) impost java. util. Ecannes 3:
   class even odd-array?
      public static void main (String args [])
          intn, e=0,0=0, Af), B[] ([];
          Scannes SS= new Sconner (System. in);
          System. Out. println ("Enter the value of n: ");
          @ n = SS. next Int ();
          A=new int[n];
            B = new int [n];
            (= new int [n];
           System. out. println ("Enter the values of the arrays A: \n");
          for (int 1=0; 1<n; 1++)
            System out println ("A[xd] = "i+1);
            A[i] = 85. next In+();
          for (int i=0; i<n; i++)
              if [A[i] 1.2==0)
              ([e++]=A[i];
                B [0++]=A[1];
            bage
```

```
System and Println ("In The elements of array B: ");
  to? (ind i=0; i < 0; i++)*
        System.out. printf("In B[xd] = x.d", ia, B[i]);
 System out println ("In The element of array (: ");
  for (int i=0; i<8; i++)
     System-out print ("In & ([xd] = x.d", i, B[i]);
 int Jum=0, avg, mex= c[0], min=([0];
 for (int i=0; i<e; i++)
      Jum += C[i];
     if (([i] > max)
          mex = ([i];
     etreif (C[i] < min)
            min=C[i];
 ang = Sum/e;
System. out println ("In the sum of element in (: "+sum);
System out println ("In The average of elents; n C: " + aug);
System. out. Println ("In The moximum in array (:"+ mox);
System. out. println ("In The mirimum in alray (; "+ min);
```

```
import java.util.Scanner;
class even odd array{
    Run | Debug
    public static void main(String args[])
    1
        int n,e=0,o=0,A[],B[],C[];
        Scanner ss=new Scanner(System.in);
        System.out.println("Enter the value of n : ");
        n=ss.nextInt();
        A=new int[n];
        B=new int[n];
        C=new int[n];
        System.out.println("Enter the values of array A: \n");
        for(int i=0;i<n;i++)
        1
            System.out.printf("A[%d] = ",i+1);
            A[i]=ss.nextInt();
        for(int i=0;i<n;i++)
            if(A[i]%2==0)
                C[e++]=A[i];
            else
                B[0++]=A[i];
        System.out.println("\nThe elements of array B:");
        for(int i=0;i<o;i++)
            System.out.printf("\nB[%d] = %d",i+1,B[i]);
        System.out.println("\nThe elements of array C:");
        for(int i=0;i<e;i++)
            System.out.printf("\nC[%d] = %d",i+1,C[i]);
        int sum=0,avg,max=C[0],min=C[0];
        for(int i=0;i<e;i++)
            sum+=C[i];
            if(C[i]>max)
                max=C[i];
            if(C[i]<min)
                min=C[i];
        avg=sum/e;
        System.out.println("\nThe sum of elements in C: "+sum);
        System.out.println("\nThe average of elements in C: "+avg);
        System.out.println("\nThe maximum in array C: "+max);
        System.out.println("\nThe minimum in array C: "+min);
```

```
Enter the value of n:
10
Enter the values of array A:
A[1] = 1
A[2] = 2
A[3] = 3
A[4] = 4
A[5] = 5
A[6] = 6
A[7] = 7
8 = [8]A
A[9] = 9
A[10] = 10
The elements of array B:
B[1] = 1
B[2] = 3
B[3] = 5
B[4] = 7
B[5] = 9
The elements of array C:
C[1] = 2
C[2] = 4
C[3] = 6
C[4] = 8
C[5] = 10
The sum of elements in C: 30
The average of elements in C: 6
```

The maximum in array C: 10

The minimum in array C: 2