```
System out pointen ("There are no real solutions for the given equation");
                                                                                                                                                                                                                                                                                                        the state of the same of the s
                                                                                                                                                                                                                                                                                                                                                              The state of the s
                                                                                                                                                                                                                                                              in Francis or was proper to
                   Extra Hograms:
1. Accept an array of size in from the user. Find the sum of even indices (0,2,4...) and sum of cold indices (1,3,5... ) and prin
      Import gava. util. *;
       class Evenodd
                              public static void main (string args[])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Variation of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 - 1 - 1 - 1
                                Scanner Sc = new Scanner (System In);
                             System. our. println ("Enter the number of elements: ");
                                  int n = sc. nextInt(s;
                                  int a [] = new int[n];
                                                                                                                                                                                                                                                                                                                                               and the least the wife
                                   int even =0; int odd =0;
                                                                                                                                                                                                                                                                                                                                                                   E Kar I got to go
                                           6091 (int i=0', i<n', i++)
                                                            System.out.printer ("Enter a["+i+"]");
                                                                         a[i] = sc. nextInt();
                                                       for lint i=0; i<a-length; i++)
                                                                                 $ i6 (1:1.2=20)
even += a[i];
                                                                                                                                                                                                                                                                                                      131.00 41.7
                                                                                                                                                                                                                                                                                                                                                                                                      The street of the street of the street
                                                                                              else
odd+ = acij;
                                                                                                                                                                                                                                                                                                                                                                                                                  the same of the same
                                                                                                                                                                                                                                                                                                             Marine Committee
                                                                                                                                                                                                                                                                                                                                                                                                              A The State of the
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System.out. println (" sum of even induces = " + even);
  System. out. privaln (*sum of odd indices = *+odd);
                        Accept an array of n integers. Find the number of positive number
     negative numbers and zeros
  import java. wil. *;
   Class Arraynum
     public static void main (Steing args[])
      Scanner Sc = new Scanner (System. in);
     System. out printles ("Enter the number of elements:");
       int n = sc. next Ind();
       int a[] = new "int[n];
      int 605 = 0;
       int mag =0;
       int Zero =0;
       fog(int i=0; i<n', i++)
        System out printly ("Enter a("+i+")");
           a[i] = Sc. next Int();
        for Cint i=0 , i < a-length ', i++)
           16 (aci7>0)
            bos++;
           elserif (acij<0)
              neg++,
            Zoroff,
System out println ("Number of positive numbers is: "+ pos
System-out-println ("Number of negative numbers is: "+ not)
                                               Scanned by Easy Scanner
```

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3. Consider a super market bill. Accept a double array holding rake per item of say x items and an int array showing the quantity
   purchased by a customer abulate the total by amount and
   the final bill amount after giving discounts as per the following:
       Total bill amount >= 10000, discount=5%.
          Total bill amount >= 7500 and < 10000, discount=3%.
           Total bill amount > = 5000, discount = 2%
  import java. util. *;
  Class Bill Array
       public static void main (steing orgs [])
          Scanner Sc = new Scanner (System. in);
          System out printer ("Enter the number of items:");
          int n = sc. nextInt()
           double indtot, t=0;
            double api[] = new double[n];
             int qual] = new int[n];
             bost (int i= 0; i< n', itt) were little some
          System out println ("Ender quantity of purchase and rate per item "+ (i+1));
           Int q = sc. nextInt();
                                   id to bloc Ditters site.
          double 91 = SC. next Double ();
            qualit = q",
                                     Charles Town to
           supicio = 91;
                                    Aller Land
                                    for Cintizo; icn', itt)
           indtot = qualit * spicit;
            tt = indTot;
        if (+>=10000) {
             zystemout-println("Discount = 51.". Total bill = "

t + Discounted bill = "+ (tot + t + 0.5));
```

```
else 16 (t>= 7500) 8
   System. out. printles ("Discount = 3%. Total bill =" + + +" Discount
    bia: "+ (t- + *0.03));
 else if (+>=5000) &
   System out printer ("Discount = 24. total bill = "+ + +
        " Discounted bill = "+ (t-t *0.02));
    else &
      System.out. println ("No discount. Total bill = "++
4. Accept an away A of nelements-create two new aways when
   the first one say B that holds all the odd numbers
    from array A and the second say c holds the even
     numbers from array A. Display the sum, ang, man and min
     of array c-
 import jova util-scanner;
 Class Array-sund
   public static void main (String augs [7]
    Scanner SC = new Scanner (System. in);
     int i, n, j=0,K=0, sum=0, aug=0, moy=0, mun=0;
    System out println ("Enter no. of elements:").
     n = sc.nextInt();
     int a [] = new int[n];
     intb[] = new int[n];
     int c[] = new int[n]
     max = C [0];
     System. out printer ("Enter all the elements:");
       jon ( = 0 ', 1 < n; i++)
           a [i] = Sc. nextInt();
```

```
(a[i] 1.2!=0)
     b[i] = a[i];
else
   c(k) = a(i) i
      K++;
System. out. println ("odd:");
 ib (j >1)
     for (i=0', i< (j-1)', i++)

System.out.println(b[i]);
       system.out.println(b[j-i]);
  else
    system. out. printer ("No neumber");
   system. out. println ("Even: ");
       system.out. println (CCII);
3
system.out. println (C[K-I]);
                   i < c. length; i++)
       sumt
      arg = sum/k;
3/09(i=0; i < k; i++){
               min = C[0];
                if (c(i) > max){
```

```
ib (CCI) < min) {

min = CCII;

3

System out · println ("Sum = " + Sum);

System out · println ("Average = " + avg);

System out · println ("Maximum is = " + max);

System out · println ("Minimum is = " + min);

System out · println ("Minimum is = " + min);

3
3
```