Pratice Programs. Accept an array of size in from the user. Find the sum of even indices (1, 3, 5...) and print and sum of odd indeces (1, 3, 5...) and print the same uilfort jana util. Scanner; elds deray! public static noid main (String args []) int energy odd 20 in n;

Scarner SS = new Scanner (system in);

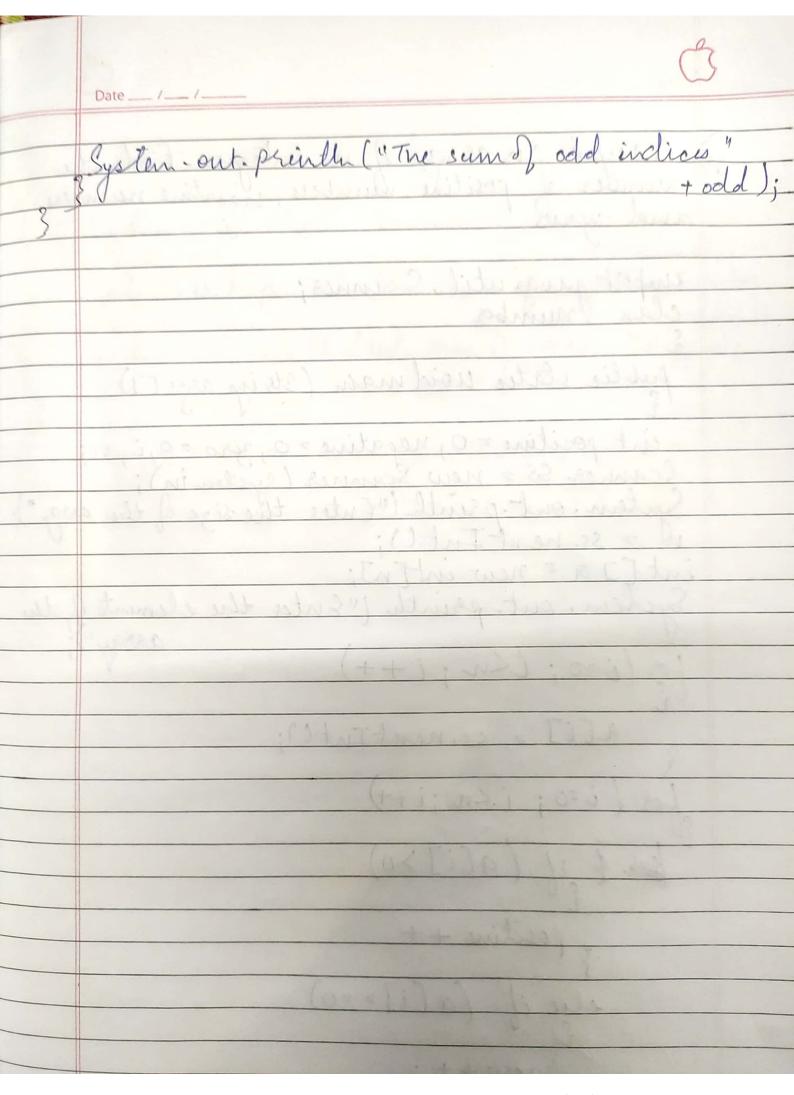
System. out. printly ["Enter the size of the array");

M = SS. nerct Int();

int a [] a = new int [n];

System. out. printly ("Enter the elements of the carray");

for (izo; i < n; i++) a (i] z ss. nent Int (); (izo, i < n; (++) if (i 1.2 = 20) even + = a [i]; else odd + = a[i]; System. out. printh ("The sum of even indures + even indures)



```
sum.java X
index.html
                             number.java
sum.java
  import java.util.Scanner;
      class array1
          public static void main(String args[])
              int even=0,odd=0,i,n;
              Scanner ss=new Scanner(System.in);
              System.out.println("Enter the size of the array");
              n=ss.nextInt();
 10
              int[]a=new int[n];
              System.out.println("Enter the elements of the array");
              for(i=0;i<n;i++)
                 a[i]=ss.nextInt();
              for(i=0;i<n;i++)
                  if(i%2==0)
                 even+=a[i];
 19
 20
                  else
                  odd+=a[i];
              System.out.println("The sum of even indices "+even);
              System.out.println("The sum of odd indices "+odd);
 24
 26 }
```

Command Prompt Microsoft Windows [Version 10.0.10240] (c) 2015 Microsoft Corporation. All rights reserved. C:\Users\akki>cd Desktop C:\Users\akki\Desktop>cd "PROJECT WORK" C:\Users\akki\Desktop\PROJECT WORK>javac sum.java C:\Users\akki\Desktop\PROJECT WORK>java array1 Enter the size of the array Enter the elements of the array 34 56 17 18 19 87 The sum of even indices 173 The sum of odd indices 70 C:\Users\akki\Desktop\PROJECT WORK>java array1 Enter the size of the array 10 Enter the elements of the array 20 30 40 50 60 70 80 100 The sum of even indices 250 The sum of odd indices 300 C:\Users\akki\Desktop\PROJECT WORK>

2) A coept an array of a integer. Find the number of positive dumbers, tregative numbers and zeros emport jana util Scanner; class mumber Public static woid main (String args []) int position = 0, negative = 0, zero = 0, i, n; Scanner SS = new Scanner (Systemin); System. out. printh ("Enter the size of the ara,"); int [] a = new int[n]; System. out. printh ("Enter the elements of the array"); for (izo; î<n; i++) a[i] = ss. nentInt(); s/s (i=0; i<n;i++) Est (a[i]>0) ¿ positive ++ else if (a[i]==0) 2 3620 ++;

```
number.java X
o index.html
               sum.java
number.java
      import java.util.Scanner;
      class number
          public static void main(String args[])
              int positive=0, negative=0, zero=0, i, n;
              Scanner ss=new Scanner(System.in);
              System.out.println("Enter the size of the array");
              n=ss.nextInt();
              int[]a=new int[n];
 10
              System.out.println("Enter the elements of the array");
              for(i=0;i<n;i++)
                  a[i]=ss.nextInt();
 14
              for(i=0;i<n;i++)
                  if(a[i]>0)
                      positive++;
 20
                  else if(a[i]==0)
                      zero++;
                  else
                  negative++;
              System.out.println("Number of positive numbers "+positive);
              System.out.println("Number of negative numbers "+negative);
 30
              System.out.println("Number of Zeros "+ zero);
```

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C:\Users\akki\cd Desktop

C:\Users\akki\Desktop\cd "PROJECT WORK"

C:\Users\akki\Desktop\PROJECT WORK>javac number.java

C:\Users\akki\Desktop\PROJECT WORK>java number
Enter the size of the array

8
Enter the elements of the array

-3
1
0
-7
-4
2
3
3
0
Number of positive numbers 3
Number of zeros 2

C:\Users\akki\Desktop\PROJECT WORK>java number
Enter the size of the array

4
Enter the elements of the array

4
Enter the size of the array

-1
-1
-3
6
Number of positive numbers 1
Number of negative numbers 3
Number of negative numbers 1
Number of negative numbers 3
Number of negative numbers 3
Number of negative numbers 1
Number of negative numbers 3
Number of Zeros 0

C:\Users\akki\Desktop\PROJECT WORK>

Scanned with CamScanner

```
double r = Ss. nexts ouble ();

pate [i] = r;
for lint i=0; i<n; i++)
   t = quantity [i] * sate [i];
total + = t;
ils (total > = 10000)
  System. out. printly ("Discount = 5%. Total bill =" +

total + "Discounted bill =

+ (total - total) * 0.05);

7
 else if (total > = 7500)
 System. out, printly ("Discount =37. Total bill = "+ total + " Discounted bill = " + (total - total * 0.03);
 else if (total > = 5000)
 System, out, printher ("Discount = 2%. Total bell = "
+ total + "Discounted bell = " + (total - total +0.02);
 System out, printly ("No discount. Totalkill="
+ total);
```

```
bill.java X
o index.html
               sum.java
                               number.java
ø bill.iava
  1 import java.util.Scanner;
      class market bill
  4
          public static void main(String[] args){[
              Scanner ss = new Scanner(System.in);
              double t, total = 0;
              System.out.println("Enter the number of items:");
  8
              int n = ss.nextInt();
              double[] rate = new double[n];
              int[] quantity = new int[n];
 10
               for(int i =0; i<n; i++){
                  System.out.println("enter quantity of purchase for item "+(i+1));
 12
                  int q = ss.nextInt();
 14
                  quantity[i] = q;
                  System.out.println("enter the rate per item for item "+(i+1));
 16
                  double r = ss.nextDouble();
                  rate[i] = r;
 18
              for(int i = \theta; i < n; i++)
 19
 20
                  t = quantity[i] * rate[i];
                  total += t;
              if (total >= 10000)
 24
                  System.out.println("Discount = 5% .Total bill = " + total + " Discounted bill = " + (total - total * 0.05));
 28
 29
              else if (total >= 7500)
 30
                  System.out.println("Discount = 3% . Total bill = " + total + " Discounted bill = " + (total - total * 0.03));
```

```
( index.html
               sum.java
                                               bill.java X
                              number.iava
bill.java
                  quantity[i] = q;
14
 15
                  System.out.println("enter the rate per item for item "+(i+1));
                  double r = ss.nextDouble();
 16
                  rate[i] = r;
 18
 19
              for(int i = 0; i<n; i++)
 20
                  t = quantity[i] * rate[i];
 21
                  total += t;
              if (total >= 10000)
                  System.out.println("Discount = 5% .Total bill = " + total + " Discounted bill = " + (total - total * 0.05));
 26
 29
              else if (total >= 7500)
 30
                  System.out.println("Discount = 3% . Total bill = " + total + " Discounted bill = " + (total - total * 0.03));
                else if (total >= 5000)
                  System.out.println("Discount = 2%. Total bill = " + total + " Discounted bill = " + (total - total * 0.02));
 36
              else
 38
                  System.out.println(" No discount. Total bill = " + total );
 39
 48
```

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Accept an alray A) is elaments. but two new orrays where the first one say B that holds all the odd numbers from array A and the second C holds. It even numbers from array A. Desplay the sum, array E. mare and whip of array C. emport gana, util. Scannee; class array! Public static void main (String [7 age) int n, even = 0, odd = 0, sun = 0, ans, man, min Seanner Ss = new Seanner (System. in); System. out. print ("Enter the size of the arrayi") in z ss, nent Int (); int [] A = new Fint Ln]. int [] B z new int [n]; int CJ C = new int [n]; System. out. printly ("Enter the elements of the bor (intizo; i < n; i++); A[i] = SS. nent Int(); for (intizo; i <n; i++) if (A[i]1/2 ==0) C[even] = A[i]; sum + = A[i]; even ++; ?

```
and z sem / even;
    if (C[i] <min
    min = C[i];
System. out printly (" For the even wray run is System. out printly (" For the even wray and is " + (sum/ system, out printly (" For the even array maxime + m
 System out printly ("For the even array minimum is"
```

```
evenodd.java X
               um.java
                               number.java
                                                bill.java
O index.html
evenodd.java
      import java.util.Scanner;
       class array1
          public static void main(String[] args)
          int n, even = 0, odd = 0, sum = 0, avg, max , min;
  6
          Scanner ss = new Scanner(System.in);
          System.out.print("Enter the size of the array:");
          n=ss.nextInt();
          int[] A = new int[n];
 10
          int[] B= new int[n];
 11
           int[] C = new int[n];
          System.out.println("Enter the elements of the array:");
           for(int i = 0;i<n;i++)
              A[i] = ss.nextInt();
           for(int i = 0;i<n;i++)
 18
 19
              if (A[i] \% 2 == 0)
 20
 21
                  C[even] = A[i];
 22
                  sum += A[i];
 24
                   even++;
 25
 26
              else
              B[odd] = A[i];
 28
 29
                   odd++;
 30
          avg = sum / even;
          max = C[\theta];
          min = C[\theta];
 34
```

```
evenodd.java X
evenodd.java
20
             if (A[i] \% 2 == 0)
21
                 C[even] = A[i];
                 sum += A[i];
24
                  even++;
26
              else
              B[odd] = A[i];
                  odd++;
 30
          avg = sum / even;
          max = C[\theta];
 34
          min = C[0];
          for(int i = 0; i<even;i++)
              if (C[i] > max)
 38
                  max = C[i];
 40
 41
              if (C[i] < min)
 42
                   min = C[i];
           System.out.println("For the even array sum is "+sum);
           System.out.println("For the even array average is "+(sum/even));
           System.out.println("For the even array maximum is "+max);
 48
           System.out.println("For the even array minimum is "+min);
```

Command Prompt Microsoft Windows [Version 10.0.10240] (c) 2015 Microsoft Corporation. All rights reserved. C:\Users\akki>cd Desktop C:\Users\akki\Desktop>cd "PROJECT WORK" C:\Users\akki\Desktop\PROJECT WORK>javac evenodd.java C:\Users\akki\Desktop\PROJECT WORK>java array1 Enter the size of the array:5 Enter the elements of the array: 89 45 44 12 For the even array sum is 56 For the even array average is 28 For the even array maximum is 44 For the even array minimum is 12 C:\Users\akki\Desktop\PROJECT WORK>java array1 Enter the size of the array:6 Enter the elements of the array: 46 79 90 76 54 30 For the even array sum is 296 For the even array average is 59 For the even array maximum is 90 For the even array minimum is 30 C:\Users\akki\Desktop\PROJECT WORK>