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Code:
import java.util.*;
import java.io.*;
public class lab1_ex_04
{
  private static int[] a;
  private static int[] b;
  private static int[] c;
  private static int n;
  public static void read()
  {
    Scanner sc=new Scanner(System.in);
    System.out.println("Enter the number of elements in an array");
    n=sc.nextInt();
    a=new int[n];
    System.out.println("Enter the elements of array");
    for(int i=0;i<n;i++)
      a[i]=sc.nextInt();
    }
  }
  public static int count_even()
  {
    int count=0;
    for(int i=0;i<n;i++)
      if(a[i]%2==0)
         count++;
      }
    }
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return count;
}
public static int count_odd()
{
  int count=0;
  for(int i=0;i<n;i++)
  {
    if(a[i]%2!=0)
    {
       count++;
    }
  }
  return count;
}
public static int[] diff()
{
  int k1=0;
  int k2=0;
  read();
  int c1=count_even();
  int c2=count_odd();
  b=new int[c2];
  c=new int[c1];
  System.out.println(c1);
  System.out.println(c2);
  for(int i=0;i<n;i++)
    if((a[i]%2)==0)
    {
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c[k1]=a[i];
      k1++;
    }
    if(a[i]%2!=0)
    {
      b[k2]=a[i];
      k2++;
    }
  }
  System.out.println("Contents Of Array With All Odd numbers is ");
  for(int i=0;i<b.length;i++)</pre>
  {
    if(b[i]!=0)
    System.out.println(b[i]);
    else
    break;
  }
  System.out.println("Contents Of Array With All Even Numbers is ");
  for(int i=0;i<c.length;i++)</pre>
  {
    if(c[i]!=0)
    System.out.println(c[i]);
    else
    break;
  }
  return c;
public static void calc()
  int[] array=diff();
  double sum=0;
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}

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double average;
    int max=array[0];
    int min=array[0];
    for(int i=0;i<array.length;i++)</pre>
    {
      if(array[i]>max)
      {
        max=array[i];
      }
      if(array[i]<min)
      {
        min=array[i];
      sum+=array[i];
    }
    average=(((sum))/(array.length));
    System.out.println("**********Displaying the contents Of Array With Even
Numbers************);
    System.out.println("Sum Of All Numbers Of An Array is " + sum);
    System.out.println("Average Of" + " " + array.length + " Numbers is " + average);
    System.out.println("Maximum Element in the array is " + max);
    System.out.println("Minimum Element in the array is " + min);
  }
  public static void main(String[] args)
  {
    calc();
  }
}
```

Output: