**Uid: 18bca1013**

public static void test(BufferedReader r, PrintWriter w) throws IOException {

ArrayList<String> s = new ArrayList<String>();

{

public static void main(String[] args)

{

int n;

Scanner s = new Scanner(System.in);

System.out.print("Enter no. of elements you want in array:");

n = s.nextInt();

int a[] = new int[n];

String line;

int n = 0;

while ((line = r.readLine()) != null) {

s.add(line);

n++;

}

Iterator<String> i = s.iterator();

while (i.hasNext()) {

w.println(i.next());

}

}

System.out.println("Enter all the elements:");

for (int i = 0; i < n; i++)

{

a[i] = s.nextInt();

}

System.out.print("Odd numbers:");

for(int i = 0 ; i < n ; i++)

{

if(a[i] % 2 != 0)

{

System.out.print(a[i]+" ");

}

}

System.out.println("");

System.out.print(" numbers:");

for(int i = 0 ; i < n ; i++)

{

if(a[i] % 2 == 0)

{

System.out.print(a[i]+" ");

}

}