```java
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("");
```

```java
System.out.print(" numbers:");
for(int i = 0 ; i < n ; i++)
{
   if(a[i] % 2 == 0)
   {
      System.out.print(a[i]+" ");
   }
}
```