

Practice Problem: Even or Odd

Write a program that reads positive integers from an input file named **practice.in** and displays a message that says whether the number is even or odd.

Input (from file named practice.in – all problems in contest will get input from a file named based on the problem letter – the file name will always be lower case)

The input will consist of one or more integer values greater than 0. Each value will occur on a line of its own and will be immediately followed by a newline/carriage return. The last input will be a 0 and signifies the end of input. The 0 should not be processed

Output (to monitor – all problems in contest will write output to System.out / cout / stdout / monitor)

The output should contain the string, “The number *N* is “ and either EVEN or ODD depending on whether the number is even or odd. The sentence should be terminated by a period. The format of the output must be exactly as shown below, or you will get a format error from the judges.

Sample Input

```
1
2
3
4
5
0
```

Sample Output

```
The number 1 is ODD.
The number 2 is EVEN.
The number 3 is ODD.
The number 4 is EVEN.
The number 5 is ODD.
```