



## Java End-of-file ★

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"In computing, End Of File (commonly abbreviated EOF) is a condition in a computer operating system where no more data can be read from a data source." — (Wikipedia: End-of-file)

The challenge here is to read  $n$  lines of input until you reach EOF, then number and print all  $n$  lines of content.

**Hint:** Java's `Scanner.hasNext()` method is helpful for this problem.

## Input Format

Read some unknown  $n$  lines of input from `stdin(System.in)` until you reach EOF; each line of input contains a non-empty String.

## Output Format

For each line, print the line number, followed by a single space, and then the line content received as input.

## Sample Input

```
Hello world
I am a file
Read me until end-of-file.
```

## Sample Output

```
1 Hello world
2 I am a file
3 Read me until end-of-file.
```

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```
1 import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;
6
7 public class Solution {
8
9     public static void main(String[] args)
10    {
11        Scanner input = new Scanner(System.in);
12        int lines = 1;
13        while (true)
14        {
15            String line = input.nextLine();
16            System.out.println(lines + " " + line);
17            lines++;
18            if (!input.hasNext())
19                break;
20        }
21    }
22 }
```

```
19         {
20             break;
21         }
22     }
23     input.close();
24 }
25 }
26
```

Line: 26 Col: 1

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