

"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.
```