Java End-of-file

Problem Statement

"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:

```
k This is the line read as input for line number 'k'.
```

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.
```