

"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.
```