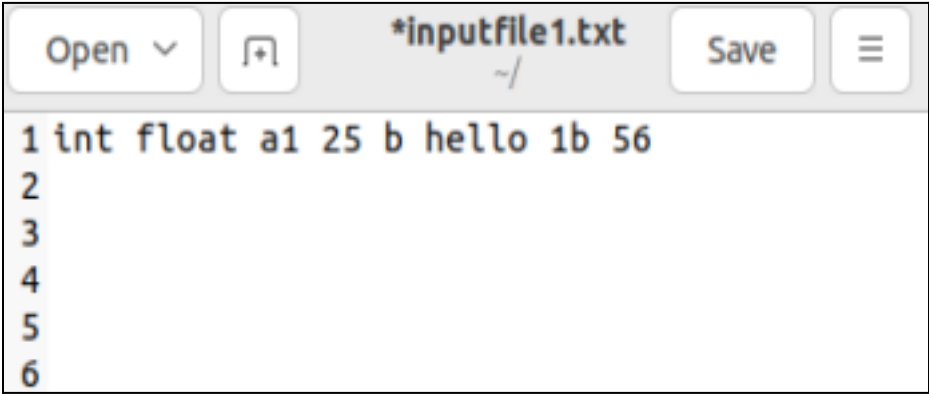
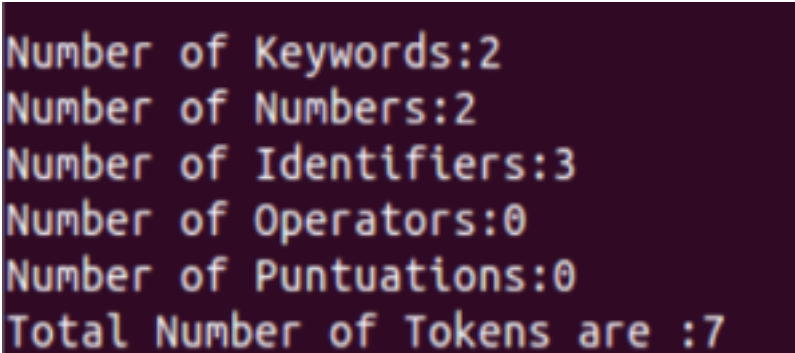


Sl. No	Problem Statement
1	<p><b>Assignment 4 ( 07 Feb 2024)</b></p> <p><b>Write Lex program for the following : ( Question 1 - 4 marks, Question 2 - 6 marks )</b></p> <p>To Recognize different tokens in the given input file : <b>Keywords, Identifiers, Constants, Operators and Punctuations.</b></p> <p><u>Input</u></p>  <p><u>Output</u></p> 

2

A new video about the recent developments in coding has been published on social media. After some time, it is seen that there are  $N$  comments added. Now from  $N$  comments the admin wants to know count  $C$  - the occurrences of the keyword  $K$ . He needs your help to find the value of  $C$ .

[ Note : input file containing comments can also be considered (optional). ]

### Function description

Consider the function *solution()*. The function takes the following 3 parameters and returns solution:

- $N$  : Represents the number of comments.
- $K$  : Represents the keyword.
- *comments* : Represents the array of comments.

### Input format

The first line contains  $N$  denoting the number of comments.

The second line contains  $K$  denoting the keyword.

Each of the next  $N$  lines contains comments.

### Output format

Print an integer representing the number of comments containing the keyword  $K$ , -1 if any of the comments is using a hashtag.

### Constraints

$$1 \leq N \leq 10^5$$

$$1 \leq |K| \leq 10$$

$$1 \leq \text{sum of length of all comments} \leq 10^5$$

$K$  and Comments contain only lower, upper case characters and underscores.

<u>Sample Input</u>	<u>Sample Input</u>	<u>Sample Input</u>	<u>Sample Input</u>
2 good The_video_is_good Informative	4 helpful Most_expensive_topic_now_a_days It_was_really_helpful This_is_very_helpful_video Productive_talk	2 usefull #Most_wanted_and_usefull_video Thanks a lot...	3 virtue Helped us great channel! Video is incredible
<u>Sample Output</u>	<u>Sample Output</u>	<u>Sample Output</u>	<u>Sample Output</u>
1	2	-1	0