Due Date: 7 May 2012, midnight

Write a C program which reads a paragraph from user that has 20 lines. In each line, words are separated by a single space and each line terminates with an end of line character. Each line has unknown number of words. Write a program to display number of words in each line. Use a function that receives a string variable and returns the number words to the calling function.

For example:

If the input is:

I was in Istanbul week
It was such a great weekend
I spend some time in
....
.....

The output will be:

<table>
<thead>
<tr>
<th>Line</th>
<th>Word number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>.....</td>
<td>.....</td>
</tr>
</tbody>
</table>

**NOTES:**
Your program should
- include comments to explain your program.
- be easy to follow.
- work for all possible inputs.
- include proper input and output messages.

Mail your homework to ceng114@cankaya.edu.tr. Don’t forget to write your name.

Late homeworks will be graded out of $100 - \frac{10d^2}{2}$ where $d$ is the number of late days.