

An Input String Stream Exercise



Using an input string stream is the easiest way to parse the individual parts of a line of text. Let's solve a problem which puts this to work. Click on the "running man" to open the starter code in **CodeCheck**.

Write a function `inputStats` which takes an input stream and an output stream as arguments. Report the number of lines in the file, the longest line, the number of tokens on each line, and the length of the longest token on each line. Assume at least one line of input and that each line has at least one token.

For example, if input contains the following text:

```
"Beware the Jabberwock, my son,  
the jaws that bite, the claws that catch,  
Beware the JubJub bird and shun  
the frumious bandersnatch."
```

Then the output should be:

```
Line 1 has 5 tokens (longest = 11)  
Line 2 has 8 tokens (longest = 6)  
Line 3 has 6 tokens (longest = 6)  
Line 4 has 3 tokens (longest = 14)  
Longest line: the jaws that bite, the claws that catch,
```

When you tackle a complex problem like this, you should always tackle it one piece at a time. Let's start with this:

1. Reading the entire input file, line-by-line
2. Finding the longest line
3. Printing the longest line to the output file



This course content is offered under a CC Attribution Non-Commercial license. Content in this course can be considered under this license unless otherwise noted.