

Simple Text Formatter Test Document

This is some text that will appear before the first section header.
It will serve a role similar to an abstract or an untitled introductory

1.Introduction

section. This first section header should be numbered 1. It should
have two blank lines before it and one between it and this paragraph.

2.Commands

And this is a second paragraph in the introduction. Here in the second
section, we should again see two blank lines before the section header
and one after. It should be numbered 2. The actual commands you are
processing in this document include: - .ce which centers the next

3.Centering

line - .se which makes the next line a section header When centering
a line, your strategy should be to determine the length of the line
that you are centering. Then you should take the difference between
the full line length and the length of the line to center. Divide
that by 2 which gives you the number of spaces that need to be printed
before the line that you are centering. If you do the extra credit
part where you handle line breaks and paragraphs, the .ce directive
should be taken to terminate the current paragraph. However, unlike
the blank line that terminates a paragraph, the .ce doesn't automatically
print a blank line after the current paragraph. So we can place a
centered line directly between two paragraphs with no spacing like

Centered line with no spacing

this: Or we can print a centered line with a blank line before and
after by inserting the blank lines in the input file. The result

Centered line with spacing

looks like this: Of course, the user also has the option to have

4.Sections

one blank line before or after and not in the other position. Sections in this text formatter are numbered automatically. This one is Section 4. Each section header is preceeded by two blank lines and succeeded by one blank line before the first paragraph of the section. As with the centering directive, .se indicates the end of a paragraph if you are doing the extra credit part. Unlike the centering case, section headers always result in the same set of blank lines regardless of

5.Other Features

whether the input file includes blank lines in those places. Of course, the set of capabilities that are described here wouldn't make for a very complete text formatter. A real one would certainly have additional features, such as a mechanism for creating subsections and subsubsections, etc. There would also have to be a system for supporting floating blocks of material, such as figures and tables that might need to move from one place to another with text flowing in their absence. Chapters are another useful capability to have in a text formatter. Typically this will result in the chapter beginning on a new page and a more extensive chapter heading formatting. Another important function that we would like to have in our formatting system is the ability to have hierarchical itemized and enumerated lists. In effect, we want a mechanism that allows us to create structures like outlines where the formatting software does the numbering and layout for us. These are certainly familiar from the and tags in HTML.

6.Filler

To give you more material for your formatter to chew on, the remainder of this test file is just junk for the purpose making sure you have at least a couple of page breaks. asdfasdfasdf asdfasdfasf asdfasdfas

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