Lab: 3
More with LaTeX

1. Did you fix your name in the Overleaf "Account" area?
2. Okay. Then, start a new blank project called "more"
3. Edit the first line of your new project to include an optional argument for the `\documentclass` command:

```
\documentclass[12pt]{article}
```

4. Also, add the following lines into the preamble of your document:

```
%\usepackage{geometry}
%\usepackage{hyperref}
```

   Of course, the commands you've just entered start with the comment symbol so they won't do anything. Did you notice how the Overleaf source editor renders them in green?

5. Now, add the following to the body of your document. (After the `\section{Introduction}` command)

```
The first thing you should notice is that the text is a little
bigger than it was last time.  You may also have noticed that
the margins are a bit big by default.  For illustration purposes
we need a paragraph that is long enough to ensure we've
reached the right margin.  This one should do the trick.
```

6. Hit the "Recompile" button. Did you notice is that the text is a little bigger than it was last time?

7. Try deleting the `[12pt]` optional argument to the `\documentclass` command. Hit "Recompile." Do you see the difference now?

8. Put the `[12pt]` optional argument back and recompile one last time.

9. Okay, now what about that comment about LaTeX's margins? Try uncommenting the line that includes the `geometry` package. Recompile. What's changed?

10. The `geometry` package will give you minute control over your document's margins. The default margins when the `geometry` package is in use are a good bit smaller than LaTeX's defaults.

11. Try replacing the `geometry` line with this one:

```
\usepackage[bottom=1in, right=.5in, left=.5in, top=1in]{geometry}
```

12. Play around a bit. What settings for the margins are most pleasing to your eyes?

13. Now, uncomment the `\usepackage{hyperref}` command. Recompile.

14. Did you see anything change?

15. If you did, it's probably your imagination. Hyperref doesn't make any visible changes – it provide you with some new commands!

16. Drop the following line into your source file:

```
This is a
\href{https://www.cespedes.org/blog/85/}{link}
to a page that gives some good information about
special characters in \LaTeX{}.  You may notice
that the {\tt href} command provided by the
{\tt hyperref} package is our first example of a
\LaTeX{} command that has two arguments.
```

17. I don't know about you, but I really don't like how hyperlinks are rendered by default. If you put the following right after the `\usepackage{hyperref}` command you'll get a nicer appearance.

```
\hypersetup{colorlinks=true,  urlcolor=blue}
```