<center>An Introduction to LaTeX: practical exercises</center>

1. Go to the webpage

   <center>https://alisonramage.github.io/latex_course/</center>

   and copy the files `LaTeXnotes.tex,` `fig1.png` and `wpdoc.tex` to your own filespace.

2. Start `TeXworks` from the Windows menu. Open the files LaTeXnotes.tex and wpdoc.tex using `TeXworks` and process them to create PDF files of the course notes and sample document.

3. Create a new LaTeX document as shown on the slide, and view the resulting document on the screen. (When you LaTeX a new document for the first time in `TeXworks`, you will be asked to save it using a new name.)

4. Edit your LaTeX document from part 3 so that it reproduces the text below. (Note: the LaTeX command to produce the typset LaTeX name is `\LaTeX`.)

   This is my first document in LaTeX! I am very *excited* about it, so I want to

   <center>**shout out loud**.</center>

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5. Add the piece of mathematics below to your document.

   Find x and y such that
   $$\sin x + \cos y = \frac{3(\pi + 1)}{25^2}$$
   with $x \neq 0$ and $y > 5$.

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6. Add a title and author to your document (you can use the commands in wpdoc.tex as a template).

7. Edit your document so that the equation above has a number, then add the reference sentence and citation.

   Find x and y such that
   $$\sin x + \cos y = \frac{3(\pi + 1)}{25^2} \tag{1}$$
   with $x \neq 0$ and $y > 5$. Equation (1) can be used to show that $x > 0$ [1].

References

[1] A. AUTHOR, *Mathematics Text*, **Strathclyde Publishing**, 2016.

$$\boxed{\text{An Introduction to \LaTeX: Course Assignment}}$$

Imagine that you are applying for follow-up funding for your PhD studies. Use LaTeX to prepare a two-page document to support your application. This should comprise

- a one-page CV, listing your qualifications and achievements to date;

- a brief description of your PhD project, with a summary of progress and a timeline of the key milestones to come.

Try to make your document more attractive to read by including lists and tabbing (to line up the material in columns) where appropriate, and varying the fonts and textsize.