Introduction

Description

At some point during my LaTeXwriting life, I decided to put together a portfolio of cool tricks and tips, which I had used in the past or wanted to apply i the future. Something like an index or a portfolio.

I wanted that document to consist of multiple small parts, one for each tip, and each part should contain both example code and the complied example. A great deal of searching was done to find a technical solution which would allow for a document which would allow for:

1. indexable, possible multi-page examples
2. examples to be compiled in isolation, free of package conflicts which would surely emerge in such a document
3. a modular structure, with each example be a short .tex file which would be included to the collection

I did a related question a while back on TeX-StackExchange, but there was no good answer.

Finally, I managed to get a satisfactory result with the `pdfpages` package. I put together a template document to be used for each example, compile it and then include the output .pdf to the collection document.

The code pattern of the top-level document can be seen below.

Enjoy!

NOTE: Some of the tricks use the `minted` package to typeset LaTeXcode. This requires the addition of the `-shell-escape` option when building your LaTeXdocument. For example, my build command in a Linux environment is:

```
"/usr/local/texlive/2016/bin/x86_64-linux/pdflatex" -synctex=1 -shell-escape
      -interaction=nonstopmode %.tex
```

WARNING: Compiling LaTeXdocuments with the `-shell-escape` option enabled is considered a security risk. Only use it to compile documents you trust.

Used Packages

`pdfpages`

Code

```
\documentclass[onepage]{book}

\usepackage{pdfpages}

\begin{document}

\tableofcontents

\chapter{Preliminaries}
\includepdf[pages=-, fitpaper=false, addtotoc={1,section,1,Template,sec:template}]{tricks/
    introduction/introduction.pdf}

<other-includes>

\end{document}
```

Check on the next section for the template code of each section.