

Lesson Review: Module Summary

keystroke

Module Learning Objectives

I certify that I achieved the following learning objectives for the module:

1. Typeset a document using the \LaTeX typesetting system and compile it into a pdf.
2. Typeset simple mathematical equations in a \LaTeX document.
3. Include highlighted code in a \LaTeX document.

Reflecting on the Content

What is the most important thing you learnt in this module?

To be honest the only thing I learnt was how to use minted, I already knew \LaTeX fairly well (see: typesetting a book) so this was a nice breather.

How does this relate to what you already know?

Well I already know \LaTeX and since this is that, I reckon it relates to it.

Why do you think your course team wants you to learn the content of this module?

\LaTeX is used a lot in academic settings, and especially with mathematics, where its powerful maths engine allows you to write a bunch of complicated formulas like our old friend Modular Arithmetic from the start of the unit:

$$2^{9234738910587316431890} \pmod{10} \quad (0.1)$$

$$9234738910587316431890 \pmod{4} = 2 \quad (0.2)$$

$$2^2 \pmod{10} = 4 \quad (0.3)$$

$$\therefore 2^{9234738910587316431890} \pmod{10} = 4 \quad (0.4)$$

Calculating the mod of a number too large to calculate by finding what stage of the 4-number mod 10 sequence it is and applying it to the formula.

You said you wanted a \LaTeX document, didn't specify which one or that it couldn't be a twine. So here you are; the source code for this document:

```
1 \documentclass[12pt, a4paper]{article}
2 \usepackage[parfill]{parskip}
3 \usepackage{ebgaramond}
4 \usepackage{array}
5 \usepackage{amssymb}
6 \usepackage{minted}
7 \usepackage{amsmath}
8 \numberwithin{equation}{section}
9
10 \begin{document}
11
12 \title{\vspace{-3.0cm}Lesson Review: Module Summary}
13 \author{\texttt{keystroke}}
14 \date{}
15
16 \maketitle
17
18 \section*{Module Learning Objectives}
19
20 I certify that I achieved the following learning objectives for
21 ↪ the module:
22
23 \begin{enumerate}
24     \item Typeset a document using the  $\LaTeX$  typesetting
25     ↪ system and compile it into a pdf.
26     \item Typeset simple mathematical equations in a
27     ↪  $\LaTeX$  document.
28     \item Include highlighted code in a  $\LaTeX$  document.
29 \end{enumerate}
30
31 \section*{Reflecting on the Content}
32
33 \subsection*{What is the most important thing you learnt in
34 ↪ this module?}
35
36 To be honest the only thing I learnt was how to use minted, I
37 ↪ already knew  $\LaTeX$  fairly well (see: typesetting a book)
38 ↪ so this was a nice breather.
```

```

33
34 \subsection*{How does this relate to what you already know?}
35
36 Well I already know \LaTeX\ and since this is that, I reckon
   ↪ it relates to it.
37
38 \subsection*{Why do you think your course team wants you to
   ↪ learn the content of this module?}
39
40 \LaTeX\ is used a lot in academic settings, and especially
   ↪ with mathematics, where its powerful maths engine allows
   ↪ you to write a bunch of complicated formulas like our old
   ↪ friend Modular Arithmetic from the start of the unit:
41
42 \begin{align}
43     2^{\{9234738910587316431890\}} &\pmod{10} \\
44     9234738910587316431890 &\pmod{4} = 2 \\
45     2^2 &\pmod{10} = 4 \\
46     \therefore 2^{\{9234738910587316431890\}} &\pmod{10} = 4
47 \end{align}
48
49 {\centering\small\it Calculating the mod of a number too large
   ↪ to calculate by finding what stage of the 4-number mod 10
   ↪ sequence it is and applying it to the formula.}
50
51 \newpage
52
53 You said you wanted a \LaTeX\ document, didn't specify which
   ↪ one or that it couldn't be a twine. So here you are; the
   ↪ source code for this document:
54 \inputminted[linenos, breaklines]{latex}{not-quine.tex}
55
56 {\vspace{3em}\centering\small\it Yes, this was stupid and yes,
   ↪ it was fun. Finally.}
57
58 \end{document}

```

Yes, this was stupid and yes, it was fun. Finally.