Latex Certificate Course Instructions

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Instructions

1. Open day06.tex using Verbtex
   (a) Download Daily Course Material and Assignment Instructions for Day 6 (day06.tex, asg06.pdf) from Google Classroom.
   (b) Open Internal storage/Android/data/verbosus.verbtex/files/Local/Latex Course/ Folder using File Manger Application.
   (c) Delete all files in ../Latex Course/ Folder.
   (d) Copy day06.tex file into Internal storage/Android/data/verbosus.verbtex/files/Local/Latex Course/ Folder.
   (e) Open Verbtex Application.
2. Exercise
   (a) Add starred subsection "Assignment" under section Day 6
   (b) Write the following mathematical expressions under "Assignment"
      i. $3^2 + 4^2 = 5^2$
      ii. $\sin \pi = 0$
      iii. $5 \times 4 = 20$
      iv. $a_2x^2 + a_1x + a_0$
3. Upload day06.tex, and Latex Course.pdf files into Google Classroom as your response to the assignment.

1 LaTeX Concepts

1.1 Arithmetic Operators

- `$1 + 2$` produces $1 + 2$
- `$1 - 2$` produces $1 - 2$
- `$1 \times 2$` produces 1×2
- `$x = 1$` produces $x = 1$

1.2 Set Operators

- `$x \in X$` produces $x \in X$
- `$A \subset B$` produces $A \subset B$
- `$A \supset B$` produces $A \supset B$
- `$A \cap B$` produces $A \cap B$
- `$A \cup B$` produces $A \cup B$

1.3 Relational Operators

- `$x \le y$` produces $x \le y$
- `$x \ne y$` produces $x \ne y$
- `$x \ge y$` produces $x \ge y$

1.4 Superscripts & Subscripts

- `$2^3$` produces 2^3
- `$2_4$` produces 2_4
- `$2^3_4$` produces 2^3_4

1.5 Greek Letters

- `$\alpha$` produces α
- `$\beta$` produces β
- ...
- `$\omega$` produces ω

Bonus Material

- Try a multidigit superscript/subscript.