

CS-213 : Lab 12 : L^AT_EX Basics

Ramchandra Phawade

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In this lab you will learn to use L^AT_EX to create beautiful PDF documents.
Write an article on any topic using latex, using following features:

1. Title, (check \title command)
2. Author (check \author command),
3. At least two Sections.
First section has following formulas.

(a) 974

(b) $4 + 2$

(c) $\sqrt[3]{5}$

(d) $\frac{x}{y}$

(e) $A^x y$

(f) $\sum k = 1^n k$

(g) $2 \neq 4$

(h) $\phi \in \Psi$

(i) $f(\xi)$

(j) CH₃COOH

(k) 180°C

(l) $\forall x \in \mathbf{R} : \quad x^2 \geq 0$

(m)

$$\sum_{\substack{0 < i < n \\ j \subseteq i}}^n Q(i, j) = P(i, j) \times R(i, j)$$

(n) $\forall P \cdot [[P(0) \wedge \forall (k \in \mathbf{N}) \cdot [P(k) \implies P(k+1)]] \implies \forall n \in \mathbf{N} \cdot P(n)]$

And, Second section with following features:

- (a) Two types fonts at least including boldface and italics,

- (b) Two tables with different sizes,
 - (c) enumerated lists,
 - (d) non-enumerated lists,
4. bibliography.

Make use of the manual provided if needed.

Compilation instructions

Use `pdflatex rollno.tex` to create rollno.pdf.

Use `tar -czvf rollno-lab12.tar.gz rollno-lab12` to create the tar ball.

Submission instructions

Create a folder called rollno-lab12 containing

- 1. rollno.tex – the source file,
- 2. rollno.pdf – the output file,

Create a tar ball rollno-lab12.tar.gz of this directory, and upload it.