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3. Course Title : Linux & System Software
4. Work Number : PR-01
5. Work Name : Presentation DRAFT
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Introduction

History

- I'll briefly mention how LaTeX derives from Tex.
- I also want to just give a general description of what LaTeX is, with emphasis towards it being a programming language.

Thesis

- I'll be talking about how to use LaTeX for three different tasks: Mathematics, Essays/Research Papers and UML.

Body

Text Editor Versus Compiler

- I'll get everyone to download a text editor and the LaTeX compiler.
- Then I'll talk about how a text editor may be linked to the compiler, but is still a separate thing.
- I'll go over how to compile a LaTeX file and convert it to a pdf.

Similarities to other Programming Languages

- Extensions can be included into a file.
- An extension can be used by a file if it is in the same directory.

Mathematics

- I'll be talking about the American Mathematical Society's extensions for LaTeX (amssymb.)
- How are equations written in LaTeX.
- How are special symbols used.

Essays

- I'll basically show how to use the preset template that handles the formatting.
- And how to do all the things that a student might need for a school paper.

UML

- I found this MetaUML extension and I would like to go over how to use LaTeX to create

visual representations for one's program.

- I really want to hit how to display classes and also show the general flow of code in a program.

Conclusion

Restating the Thesis (with suggestions for what to use the learned skills for)

- Here I'd like to tell everyone that they may be able to use LaTeX for their math assignments (as Brian and Dan are familiar with LaTeX.)
- It can be used for designing programs and displaying a representation that isn't harmful to the eye. Which can be good for larger team projects that we will have to be doing in higher-level Computer Science classes.
- It also can be used for writing papers for English or any other class asking for a research paper.