Chapter 1

Getting Acquainted

Chapter 2

Getting Started

Chapter 3

Carrying On

Three modes [1] :

1. **paragraph mode** input as a sequence of words and sentences to be broken into lines, paragraphs and pages.

2. **math mode** Math mode begins with a command like $ or \(or \[or \begin{equation}, and leaves when finding the corresponding command that ends the formula.

3. **left-to-right mode or LR mode** LR mode consisers your input to be a string of words with spaces between them. It keeps going from left to right; it never starts a new line.

3.1   Changing the Type Style

Type style is used to indicate logical structure. In this book, emphasized text appears in *italic* style type and LaTeX input in `typewriter` style. In LaTeX, a type style is specified by three components: shape, series, and family.

Shapes

- Upgright shape (default). \textup{Upgright shape...}
- *Italic shape.* \textit{Italic shape...}
- *Slanted shape.* \textsl{Slanted shape...}
- SMALL CAPS SHAPE. \textsc{Small caps shape...}

Series

- Medium series (default). \textmd{Medium series...}
- **Boldface series**. \textbf{Boldface series...}

Family

- Roman family (default). \textrm{Roman family...}
- Sans serif family. \textsf{Sans serif family....}
- `Typewriter family`. \texttt{Typewriter family...}

These commands can be combined in a logical fashion to produce a wide vaiety of type styles.
Who on **Earth** is *ever* going to use boldface sans serif or an italic typewriter type style?

Each of the text-style commands described above has a corresponding declaration. Boldface text can be obtained with either the \textbf text-producing command or the \bfseries declaration.
More and **more** armadillos are crossing the road.
The declarations corresponding to the text-producing commands are:

- **cmd decl**
- \textup \upshape
- \textit \itshape
- \textsl \slshape
- \textsc \scshape
- \textmd \upshape
- \textbf \upshape
- \textrm \upshape
- \textsf \upshape
- \texttt \upshape
- \textup \upshape

None of test text-producing commands or declarations can be used in math mode. Section 3.3.8 explains how to change type style in a mathematical formula.

Type style is a visual property. Commands to specify visual properties belong not in the text, but in the definitions of commands that describe logical structure. LaTeX provides the **\emph** command for emphaiszed text; Section 3.4 explains how to define your own commands for the logical structure in your document.

3.2   Symbols from Other Languages

The `babel` package allows you to produce documents in languages other than English, as well as multilanguage documents.

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[1] Paragraph mode corresponds to the vertical and ordinary horizontal modes in *The TeXbook*, and LR mode is called restricted horizontal mode there. LaTeX also has a restricted form of LR mode called *picture* mode that is described in Section 7.1.