

# Learning Tex

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## Contents

<b>1</b>	<b>Concept</b>	<b>1</b>
<b>2</b>	<b>Basic Style</b>	<b>1</b>
2.1	Semantic markup . . . . .	1
2.2	New Command . . . . .	2
2.3	Item . . . . .	2
2.4	Table . . . . .	2
2.5	Image . . . . .	2
2.6	Reference . . . . .	2
2.7	Source code . . . . .	2

## 1 Concept

**Preamble** Part before `\begin{document}`

**Command** Start from `\`

**Environment** Block to have settings in its own scope

**Font** *serif* has small details at the end of letter strokes and thus is suitable for body  
*sans-serif* for headings and text on low-resolution screens  
`monospace(\texttt)` for source code.

**Online document (in case no *texdoc*)** <http://ctan.org/pkg/<package-name>>  
to find document

## 2 Basic Style

### 2.1 Semantic markup

`\emph` is more flexible than `\textit` in that it represents the intention *instead of a detailed style*. Also note *can* be nested and the effect is to flip between normal and italic.

## 2.2 New Command

Define new command inside preamble (before `\begin{document}`):

```
\newcommand{command-name}[parameter-count][optional-parameters]{definition}  
\site[git]{github.com/sevenbamboos} → git://github.com/sevenbamboos
```

## 2.3 Item

1. First action
  - (a) Step one
  - (b) Step two
2. Second action
  - Member A
    - Courage** Average \*\*
    - Intelligence** Poor \*
    - Knowledge** Good \*\*\*
  - Member B

## 2.4 Table

## 2.5 Image

## 2.6 Reference

```
\label[name]{key}
```

## 2.7 Source code