

# L<sup>A</sup>T<sub>E</sub>X WORKSHOP

## AN INTRODUCTION TO L<sup>A</sup>T<sub>E</sub>X

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1. Header
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HEADER

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# Fancy Header

- To customize the footer and header in your document use `\usepackage{fancyhdr}` in your preamble of your document
- After that put `\pagestyle{fancy}` to set default fancy page style.
- `\fancyhf{}` clears any predefined header and footer control.
- `\rhead{text}` right side of the header.
- `\lhead{text}` left side of the header.

Similarly one can define `\chead{text}`, `\lfoot{text}`, `\rfoot{text}`, etc.

`\rfoot{Page \thepage} : \thepage` the represent corresponding page number.

# Fancy Header

There are very good way to define **header** and **footer** in two-sided document. Try the following code:

```
\usepackage{fancyhdr}
\pagestyle{fancy}
\fancyhf{}
\fancyhead[LE,RO]{Share\LaTeX}
\fancyhead[RE,LO]{Guides and tutorials}
\fancyfoot[CE,CO]{\leftmark}
\fancyfoot[LE,RO]{\thepage}
```

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```

- E: for Even side Page
- O: for Odd side Page
- R: for Right Side
- L: for left Side
- C: for center

There are other option available like 7

- `\thepage`: adds number of the current page
- `\thechapter`: adds number of the current **Chapter**
- `\thesection`: adds number of the current **section**
- `\chaptername`: adds name of the current **chapter**
- `\rightmark`: Adds name and number of the current top-level structure (for example, **Chapter** for **reports** and **books** classes; **Section** for articles )

# REFERENCE

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- The `hyperref` package creates hyperlinks within the document by making `references` and `citations` clickable.
- `\usepackage{hyperref}` use in preamble of your document.
- `\hypersetup{opt1, opt2 }` enables more manual control.

Some options are following which can be used in `\hypersetup`

<code>\colorlinks=true</code>	Links will be coloured, (default colour is red)
<code>\linkcolor=blue</code>	Internal links, those generated by cross-referenced elements, are displayed in blue.
<code>\filecolor=magenta</code>	Links to local files will be shown in magenta colour.
<code>\urlcolor=cyan</code>	Links to web sites are set to cyan colour.

- `\url{http://www.iitg.ac.in}` using this you will see `http://www.iitg.ac.in` in your document but if you click that word it will open `http://www.iitg.ac.in` in your browser.

There are many other option available under [hypersetup](#). (See [hyperref manual](#))

- `\url{http://www.iitg.ac.in}` using this you will see `http://www.iitg.ac.in` in your document but if you click that word it will open `http://www.iitg.ac.in` in your browser.
- `\href{http://www.iitg.ac.in}{Something Linky}` using this you will see only **Something Linky** in your document but if you click that word it will open in your browser.

There are many other option available under `hypersetup`. (See `hyperref` manual)

# PAGE NUMBERING

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# Table of Content

- `\tableofcontents` will automatically create Sections, subsections and chapters are included in the table of contents.

`\renewcommand*\contentsname{Summary}` will write **Summary** instead of the default name **Table of Contents**.

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- `\tableofcontents` will automatically create Sections, subsections and chapters are included in the table of contents.
- You can also include manually entry by  
`\addcontentsline{toc}{section}{Unnumbered Section}`

`\renewcommand*\contentsname{Summary}` will write **Summary** instead of the default name **Table of Contents**.

THANK  
YOU