



LaTeX

PHSG SEM 3 AND 5

PAPER : SEC A1

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Presentation #4 10-10-2023

FONTS IN LATEX

- THERE ARE MANY FONT FAMILIES.
- FONT FAMILIES CAN BE GROUPED INTO THREE MAIN CATEGORIES: ROMAN (RM) OR SERIF, SANS SERIF (SF) AND MONOSPACE (TT).
- COMPUTER MODERN ROMAN IS THE DEFAULT FONT FAMILY FOR LATEX.

Font Families

<code>\textrm{Default (Roman) text}</code>	→	Default (Roman) text
<code>\textsf{Sans serif text}</code>	→	Sans serif text
<code>\texttt{Typewriter text}</code>	→	Typewriter text

FONTS IN LATEX

```
\documentclass{article}  
\begin{document}  
\textrm{M. M. C. College}\  
\texttt{M. M. C. College}\  
\textsf{M. M. C. College}  
\end{document}
```

M. M. C. College
M. M. C. College
M. M. C. College

FONTS IN LATEX

```
\documentclass{article}  
\begin{document}  
\sffamily  
M. M. C. College\\  
\ttfamily  
M. M. C. College\\  
\normalfont  
M. M. C. College  
\end{document}
```

M. M. C College
M. M. C. College
M. M. C. College

EMPHASIZING TEXT

- EMPHASIZING TEXT IS DONE BY ITALICIZING THE TEXT.
- COMMANDS TO EMPHASIZE TEXT ARE:

`\emph{text}`

`\textit{text}`

- EMPHASIZING A WORD WHICH IS ALREADY EMPHASIZED, WILL REVERT IT TO THE UPRIGHT FONT.

EMPHASIZING TEXT

```
\documentclass{article}
```

```
\begin{document}
```

```
I study in M.M.C. college.\\
```

```
I study in \emph{M.M.C. college}.\\
```

```
I am studying \textit{physics}.\\
```

```
I like \emph{to study \emph{physics}}.
```

```
\end{document}
```

I study in M.M.C. college.
I study in *M.M.C. college*.
I am studying *physics*.
I like *to study physics*.

BOLDFACE TEXT

- BOLD TEXT CAN BE GENERATED WITH THE `\textbf{text}` COMMAND.

```
\documentclass{article}
```

```
\begin{document}
```

```
    I study in M.M.C. college.\\
```

```
    I study in \textbf{M.M.C. college.}\\
```

```
    I study in \textbf{\emph{M.M.C. college.}}\\
```

```
    \emph{I study in \textbf{M.M.C. college.}}
```

```
\end{document}
```

I study in M.M.C. college.
I study in **M.M.C. college.**
I study in *M.M.C. college.*
*I study in **M.M.C. college.***

Font Styles

Normal text $\longrightarrow$ Normal text

`\textbf{Bold text}` $\longrightarrow$ **Bold text**

`\textit{Italic text}` $\longrightarrow$ *Italic text*

`\underline{Underlined text}` $\longrightarrow$ Underlined text

`\textbf{\textit{Bold italic text}}` $\longrightarrow$ ***Bold italic text***

`\textbf{\underline{Bold underlined text}}` $\longrightarrow$ **Bold underlined text**

`\textit{\underline{Italic underlined text}}` $\longrightarrow$ *Italic underlined text*

`\textbf{\textit{\underline{Bold italic underlined text}}}`

$\longrightarrow$ ***Bold italic underlined text***

TEXT SIZE

- TO APPLY DIFFERENT FONT SIZES, SIMPLY FOLLOW THE COMMANDS ON THIS TABLE.
- THE DEFAULT FOR `\normalsize` IS 10 POINT.

Command
<code>\tiny</code>
<code>\scriptsize</code>
<code>\footnotesize</code>
<code>\small</code>
<code>\normalsize</code>
<code>\large</code>
<code>\Large</code>

Command
<code>\LARGE</code>
<code>\huge</code>
<code>\Huge</code>

TEXT SIZE

```
\documentclass{article}
\begin{document}
I study in M.M.C. College.\\
{\large I study in M.M.C. College.}\\
{\Large I study in M.M.C. College.}\\
{\LARGE I study in M.M.C. College.}\\
{\huge I study in M.M.C. College.}\\
{\Huge I study in M.M.C. College.}\\
\\
{\LARGE I study in \emph{M.M.C. College.}}\\
{\LARGE I study in \textbf{M.M.C. College.}}\\
\\
{\normalsize I study in M.M.C. College.}\\
{\small I study in M.M.C. College.}\\
{\tiny I study in M.M.C. College.}\\
\end{document}
```

I study in M.M.C. College.
I study in M.M.C. College.
I study in M.M.C. College.
I study in M.M.C. College.
I study in M.M.C. College.
I study in M.M.C. College.
I study in *M.M.C. College*.
I study in **M.M.C. College**.

I study in M.M.C. College.
I study in M.M.C. College.
I study in M.M.C. College.

UNDERLINE TEXT

- UNDERLINING IS AVAILABLE VIA THE `\underline{...}` COMMAND.
- e.g.:
`\documentclass{article}`
`\begin{document}`
`\underline{M. M. C. College}`
`\end{document}`
- *THESE COMMANDS CANNOT BE USED IN MATH MODE.*

M. M. C. College