

# Some Interesting $\text{\LaTeX}$ Packages

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- add-on features for L<sup>A</sup>T<sub>E</sub>X
- make things easier, or even possible, to do
- add new styling features or modify those already existing

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and so on. Now let us look at some of the packages.

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Geometry package allows us to do these things in more than one way

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and each margin can be set separately:

```
\usepackage [lmargin=1in,rmargin=20mm,  
tmargin=3cm,bmargin=36pt] {geometry}
```

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```
\usepackage{geometry}  
\geometry{lmargin=2.5cm,rmargin=2cm,tmargin=3cm,  
bmargin=1cm}
```

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In a `beamer` class file, you should add the `[fragile]` option to `frame` when you want to use `verbatim`

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Or you can use the `fancyhdr` package.

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## exam

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and some additional commands.

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- `\usepackage{longtable}` in the preamble
- `\begin{longtable}` and
- `\end{longtable}` to create the `longtable` environment

## colortbl

The package `colortbl` makes it possible to create tables, such as:

	Distance from the Sun (million km)	
Planet	Maximum	Minimum
Mercury	69.4	46.8
Venus	109.0	107.6
Earth	152.6	147.4

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```

The basic format is:

```
\columncolor[<color model>]{<colour>}[<left  
overhang>][<right overhang>]
```

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The hyperref package provides hyperlinks  
For example, contents listings can be linked to the chapters  
or URLs can be linked to the respective web pages

## marginpar

Sometimes you may want to note something in the margin, like this:

6

### പ്രവർത്തനം 2

### പരിചയപ്പെടൽ (2 മണിക്കൂർ, 10 മിനിട്ട്)

ഘട്ടം 1ൻ നൽകാവുന്ന സമയം:  
10 മിനിറ്റ്

ഈ ഘട്ടത്തിൽ പങ്കെടുക്കുന്നവരോട് അവരുടെ പേര്, പഠിപ്പിക്കുന്ന വിഷയം, ക്ലാസ് ഓവർ, സ്കൂൾ തുടങ്ങിയവ ചുരുക്കി പറയാൻ ആവശ്യപ്പെടുക.

### ഘട്ടം 1: സ്വയം പരിചയപ്പെടുത്തൽ

ഈ സമയത്ത് നിങ്ങൾക്ക് സ്വയം പരിചയപ്പെടുത്താനും പരിചയപ്പെടാനും പങ്കെടുക്കുന്ന എല്ലാവരെയും പരിചയപ്പെടാനും അവസരം ലഭിക്കും. നിങ്ങൾ പഠിപ്പിക്കുന്ന ക്ലാസ്, വിഷയം തുടങ്ങി നിങ്ങളുടേറ്റി മറ്റുള്ളവരുമായി പങ്കുവയ്ക്കാൻ നിങ്ങളാഗ്രഹിക്കുന്ന കാര്യങ്ങൾ താഴെയുള്ള വരികളിൽ എഴുതിച്ചേർക്കാം.

മറ്റുള്ളവരുമായി പങ്കുവയ്ക്കാനുള്ള പ്രധാന കാര്യങ്ങൾ

## url

The URL Package makes it easy to typeset, obviously, URLs.

This helps to avoid problems like

`http://a.very.long.url.that.flows_out_of_the_right_margin.com/andcauseso`

## `\rule`

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This line is pushed to the right by 1 cm with its help!

# Some Useful L<sup>A</sup>T<sub>E</sub>X Commands

## `\raisebox`

Sometimes you may want to raise or lower some object from its normal level.

For example, one could do the following:

```
baseline upward baseline downward baseline
```

## `\rotatebox`

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This was done using the command

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\rotatebox{45}{\framebox{\LARGE\color{blue}\LaTeX}}
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You could put an image inside the box too. But that can be done more efficiently with `includegraphics`.