

Frequently Asked Questions

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1. LaTeX: \LaTeX is a typesetting system.

1.1. Template: template is a pattern used as a guide to make something.

1.1.1. Expose

1. Interest a sponsor for a project: $s := \textit{subject}$
2. Convince the sponsor, that you are well informed - $k := \textit{level of knowledge}$ - and sketch your ideas: $h := \textit{hypothesis}$.
3. Describe clearly, how do you want to realize the project - $m := \textit{method}$ - and which result do you strive: $t := \textit{target}$.
4. Express your ideas: $p := \textit{propositions}$
5. Specify the final delivery - $d := \textit{deadline}$ - and what do you want to show regularly - daily, weekly, ...: $m := \textit{milestones}$.

tbd.: Diagramm
Prototype:

1.1.2. Used websites

<https://www.linguee.de/>
<https://en.wikipedia.org/wiki/LaTeX>
<https://latexcolor.com/>
<https://www.techtarget.com/whatis/definition/template>
https://en.wikipedia.org/wiki/Help:A_quick_guide_to_templates
[https://de.wikipedia.org/wiki/Expos%C3%A9_\(Wissenschaft\)](https://de.wikipedia.org/wiki/Expos%C3%A9_(Wissenschaft))
<https://latex-tutorial.com/underline-latex/>
<https://www.ctan.org/pkg/pgf>

1.1.3. Example

```
\vskip 7.5pt
{\bf i. \uuline{\large Field}} \vskip 7.5pt Summary. \vskip 10pt
{\bf i.j.} \underline{Plot} \vskip 7.5pt Introduction. \vskip 10pt
{\bf i.j.1.} \dashuline{Reason} \vskip 7.5pt Motivation. \vskip 10pt
{\bf i.j.2.} \dashuline{Reference} \vskip 7.5pt Inet address. \vskip 10pt
{\bf i.j.3.} \dashuline{Pattern} \vskip 7.5pt TeX/LaTeX source text. \vskip 10pt
{\bf i.j.4.} \dashuline{Result} \vskip 7.5pt PDF document. \vskip 10pt
{\bf i.j.5.} \dashuline{Backflow} \vskip 7.5pt Field extension.
```

1.1.4. Printout

i. Field

Definition.

i.j. Plot

Summary.

i.j.1. Reason

Motivation.

i.j.2. Reference

Internet address.

i.j.3. Pattern

TeX/LaTeX source text.

i.j.4. Result

PDF format.

i.j.5. Backflow

Field design.

1.2. Multiple colored underlines

We show, how you can highlight text through stacked colored underlines.

Synopsis:

cul - draw multiple underlines.

#1: variable argument.

#2: text.

#3: underline color.

#4: line width.

1.2.1. Multidimensional text

With colors you are able to design a text multidimensionally.

1.2.2. Looking up information

Search the Internet.

Tool: <https://duckduckgo.com>

Search: latex many coloured underlines

Hits: <https://tex.stackexchange.com/questions/169189/highlighting-text-through-stacked-colored-underlines>.

1.2.3. Implementation

```
\documentclass{article}
\usepackage[dvipsnames]{xcolor} % Using the color package.
\usepackage{stackengine}       % Stacking of objects.

\newlength\lunderset
\newcommand\cul[4][1]{%
```

```

\setbox0 = \hbox{#2}%
\stackunder[#1 \lunderset - #4]
    {\strut #2}
    {\color{#3} \rule{\wd0} {#4}}%
}

\newcommand\world[1] {#1}
\newcommand\wcase[1] {#1}
\newcommand\wspace[1] {#1}

\begin{document}
\lunderset = 1.25pt\relax
\cul[1] {\world World: education} {red} {1pt} \vskip 7.5pt
\cul[2]{\cul[1]{\wcase Case: x} {red}{1pt}}{green}{2pt} \vskip 7.5pt
\cul[3]{\cul[2]{\cul[1]{\wspace Space: y}{red}{1pt}}{green}{2pt}}{blue}{4pt}
\vskip 7.5pt
\end{document}

```

1.2.4. Simplification and generalization

World: Psychologie

Case: Wahrnehmung

Space: Schwitzen

1.2.5. Backflow

Decoration of headings.

1.3. Plot

Summary.

1.3.1. Reason

Motivation.

1.3.2. Reference

Internet address.

1.3.3. Pattern

TeX/LaTeX source text.

1.3.4. Result

PDF format.

1.3.5. Backflow

Field design.