

# Programmieren II

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# Outline



1 Introduction

2 Utilities

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1 Introduction

2 Utilities

# Background

& personal inspiration

Hello all of you!

I'm Jack, 20 years old and student in electrical engineering in Friedrichshafen in Germany. This is my first try to design a own  $\text{\LaTeX}$  template.

It's advantages are:

- clean structure
- nice & consistent design
- easy to use with a small basic  $\text{\LaTeX}$  knowledge
- useful additional commands
- export file is .pdf which can be opened nearly anywhere!

# Outline



1 Introduction

2 Utilities

# Itemize

One of the most common ways to create slides is to use lots of itemizes.  
They are used for:

- better readability
- as short descriptions
  - for easy points
  - or difficult
    - topics
    - statements

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- they also can be made visible item by item

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  - or difficult
    - topics
    - statements
- they also can be made visible item by item
- like this!



# Math environment

presenting formula is very easy in  $\text{\LaTeX}$

$$f(x) = \sum_{i=0}^{\infty} \frac{f^{(i)}(x_0)}{i!} (x - x_0)^i$$

$$\frac{\pi^2}{6} = \lim_{n \rightarrow \infty} \sum_{k=1}^n \frac{1}{k^2}$$

# Blocks

example, alert and standard

## Exampleblock

Inside this box you can place an example or a task for your audience:  
What is the square root of 144?  $\sqrt{144} =$

## Alertblock

There is no real solution to a negative square root!

## Block

Use this for any other reason you can imagine!

# Comparison

of advantages and disadvantages

This is a example comparison:

**Advantages**

**Disadvantages**

# Comparison

of advantages and disadvantages

This is a example comparison:

## Advantages

- ▣ lifetime
- ▣ easy handling
- ▣ costs

## Disadvantages

# Comparison

of advantages and disadvantages

This is a example comparison:

## Advantages

- lifetime
- easy handling
- costs

## Disadvantages

- weight
- resolution
- integration time

# Comparison

of two items

This is a example comparison:

## Advantages

lifetime

easy handling

costs

another



## Disadvantages

weight

resolution

integration time (also works for  
long texts)


...

# Todo

## list of all tasks

Many projects have deadlines and tasks you have to fulfill by a certain date. Presenting them the following way is very easy and leaves a good and professional impression.

task	deadline	state
basic tutorials in creating a beamer template	01.02.03	<input checked="" type="checkbox"/>
starting a own development	01.03.16	<input checked="" type="checkbox"/>
creating a presentation with all the theme's capabilities	03.04.16	<input checked="" type="checkbox"/>
finishing the beamer template	01.06.16	<input type="checkbox"/>



Thank you for watching this  
presentation.  
Have fun creating your own!