

Soccer is great & Politics sucks!

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<sup>1</sup>Thanks to Albert Einstein whose shared his great knowledge with us.



Figure 1: Besiktas JK 2017/2018

Hello Latex!. This is an example sentence written by me.  
 The last word should be **bold**.  
 The last word should be *italic*.  
 The last word should be underlined.  
 The last three words should be ***bold italic underlined***.  
 This sentence contains an *emphasized word*, but the rest of the text remains normal.  
*This italic sentence contains a not italic word*  
**This bold sentence contains an emphasized word.**

The Figure 1 is on page 1.



Figure 2: height 3.5cm and rotate -90 degree (clockwise)

- an item
  - another item
  - useless item
1. first item
  2. second item
  3. third item

The following commands demonstrate how you can typeset inline-mode math.  
 With `\begin{math} \dots \end{math}`.  $E = mc^2$   
 With `$. . . $`  $E = mc^2$   
 With `\( . . . \)`  $E = mc^2$

The following commands demonstrate how you can typeset display-mode math Here comes some text. Let's see if the formulas

$$\begin{aligned} E &= mc^2 \\ E &= mc^2 \\ E &= mc^2 \end{aligned} \tag{1}$$

will appear in this paragraph or in a new line.

Subscripts (dt. index) in math mode are written as  $a_b$  (`$a_b$`).  
 Superscripts (dt. exponent) in math mode are written as  $a^b$  (`$a^b$`).

$$T_{j_1, j_2 \dots j_q}^{i_1 i_2 \dots i_p} = T(x^{i_1}, \dots, x^{i_p}, e_{j_1}, \dots, e_{j_q})$$

Integrals are written by using `\int` command. You can append, e.g. `^5_1` to define 5 as upper and 1 as lower boundary. Also, possible to append it in the revert order like `_1^5`. Both will produce the same output.

$$\int_1^5$$

$$\int_1^5$$

Fractions are written by using `\frac{Numerator}{Denominator}`, e.g.

$$\frac{Numerator}{Denominator}$$

The following formula describes using the `\int` and `\frac {Numerator}{Denominator}`

$$\int_0^1 \frac{dx}{e^x} = \frac{e-1}{e} \tag{2}$$

Example for lowercase Greek letters.

- $\omega$
- $\delta$
- $\gamma$
- ...

Example for uppercase Greek letters

- $\Omega$
- $\Delta$
- $\Gamma$
- ...

Greek letters have their own commands (e.g. `\omega` for  $\omega$ ). To produce lowercase Greek letters you have to write the corresponding command of the letter in lowercase. For the uppercase Greek letters you have to write the first letter of the command in uppercase.

Example for sin, cos and log, Attention: NEVER FORGET TO PUT MATH FORMULAS BETWEEN MATH MODE COMMANDS!!!.

- $\sin(\beta)$ , latex command: `\sin(\beta)`
- $\cos(\alpha)$ , latex command: `\cos(\alpha)`
- $\log(x)$ , latex command: `\log(x)`

Example for square root. The command: `\sqrt{expression}`

$$\sqrt{x^2 + 1}$$

## **Abstract**

Here is your first abstract without a sense.

Hello new paragraph!

Hello second new paragraph!

This is a sentence to demonstrate the effect of the `\\`.

This sentence should be on a new line. Bingo it does! Also, it is possible to create a new line with `\newline` command. Great!, now we know how to create new paragraphs and new lines.

# Chapter 1

## First Chapter

### 1.1 Introduction

This is the Introduction.

### 1.2 Second Section

This is the second Section.

#### 1.2.1 First subsection

This is the first subsection of the second section.

### Unnumbered section

This is an example for an unnumbered section

## Part I

### A new part



**A new Paragraph** This is an example paragraph with some text. The text here has no meaning and serves as placeholder.

**A new subparagraph** This is a subparagraph

### 1.3 Table

Section for tables in latex

This is a simple table with content centered in the middle and no borders

|       |       |       |
|-------|-------|-------|
| cell1 | cell2 | cell3 |
| cell4 | cell5 | cell6 |
| cell7 | cell8 | cell9 |

Table 1.1: Simple table with no borders and content centered

|            |                |             |  |
|------------|----------------|-------------|--|
| cell left  | cell centered  | cell right  | paragraph<br>cell with<br>3.5em<br>width<br>and the<br>content<br>is aligned<br>to the<br>middle |
| cell2 left | cell2 centered | cell2 right | paragraph<br>cell2   |
| cell3 left | cell3 centered | cell3 right | paragraph<br>cell3   |

Table 1.2: Table with borders left, right aligned and centered content

|         |         |         |
|---------|---------|---------|
| item 11 | item 12 | item 13 |
| item 21 | item 22 | item 23 |

|                         |           |           |           |
|-------------------------|-----------|-----------|-----------|
| This is a merged column |           |           |           |
| content 1               | content 2 | content 3 | content 4 |
| content 4               | content 5 | content 6 | content 7 |

Table 1.3: table with multicolumn command

|                 |      |      |
|-----------------|------|------|
| multirow table  |      |      |
| multiple<br>row | col2 | col3 |
|                 | col4 | col5 |
|                 | col6 | col7 |

Table 1.4: This table is using the multirow command

Table 1.5: Long Table

|                |                |
|----------------|----------------|
| Begin of table |                |
| Something      | something else |
| Extra          | Extra2         |
| Lots of lines  | like this      |
| Lots of lines  | like this      |
| Lots of lines  | like this      |
| Lots of lines  | like this      |
| Lots of lines  | like this      |
| Lots of lines  | like this      |
| Lots of lines  | like this      |
| Lots of lines  | like this      |
| Lots of lines  | like this      |
| Lots of lines  | like this      |
| last column    | last column    |

[illegible]

[illegible]

[illegible]

| Continuation of the table |                |
|---------------------------|----------------|
| Something                 | something else |
| Lots of lines             | like this      |
| Lots of lines             | like this      |
| Lots of lines             | like this      |
| Lots of lines             | like this      |
| Lots of lines             | like this      |
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| Lots of lines             | like this      |
| Lots of lines             | like this      |
| Lots of lines             | like this      |
| Lots of lines             | like this      |
| Lots of lines             | like this      |
| End of Table              |                |

|      |      |      |
|------|------|------|
| col1 | col2 | col3 |
| col4 | col5 | col6 |

# List of Tables

1.1

Simple table with no borders and content centered . . . . .

4

1.2

Table with borders left, right aligned and centered content . . . . .

4

1.3

table with multicolumn command . . . . .

5

1.4

This table is using the multirow command . . . . .

5

1.5

Long Table . . . . .

5

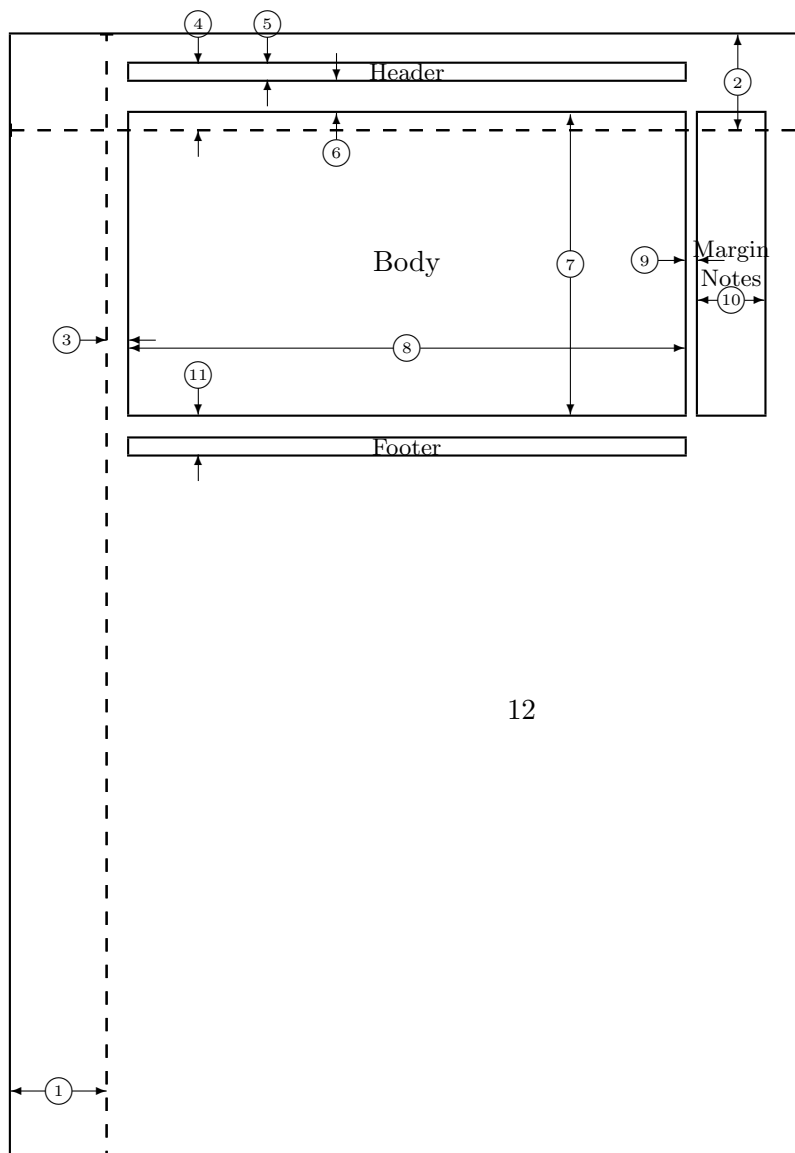
|                  |      |
|------------------|------|
| Table with color |      |
| col1             | col2 |
| col3             | col4 |

|                             |       |       |       |
|-----------------------------|-------|-------|-------|
| different coloring examples |       |       |       |
| col1                        | col2  | col3  | col4  |
| col5                        | col6  | col7  | col8  |
| col9                        | col10 | col11 | col12 |

# Contents

|          |  |          |
|----------|--|----------|
| <b>1</b> | <b>First Chapter</b>                                     | <b>2</b> |
| 1.1      | Introduction . . . . .                                   | 2        |
| 1.2      | Second Section . . . . .                                 | 2        |
| 1.2.1    | First subsection . . . . .                               | 2        |
|          | Unnumbered section . . . . .                             | 2        |
| <br>     |  |          |
| <b>I</b> | <b>A new part</b>  | <b>3</b> |
| 1.3      | Table . . . . .  | 4        |
| 1.4      | Default L <sup>A</sup> T <sub>E</sub> X layout . . . . . | 14       |
| 1.5      | Section with new dummytext . . . . .                     | 18       |





|    |                       |    |                                  |
|----|-----------------------|----|----------------------------------|
| 1  | one inch + \hoffset   | 2  | one inch + \voffset              |
| 3  | \oddsidemargin = 17pt | 4  | \topmargin = -50pt               |
| 5  | \headheight = 12pt    | 6  | \headsep = 25pt                  |
| 7  | \textheight = 227pt   | 8  | \textwidth = 418pt               |
| 9  | \marginparsep = 10pt  | 10 | \marginparwidth = 50pt           |
| 11 | \footskip = 30pt      |    | \marginparpush = 5pt (not shown) |
|    | \hoffset = 0pt        |    | \voffset = 0pt                   |
|    | \paperwidth = 597pt   |    | \paperheight = 845pt             |

## 1.4 Default L<sup>A</sup>T<sub>E</sub>X layout

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## 1.5 Section with new dummytext

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