ISGS LaTeX Beginner's Workshop
LaTeX 2016 – Exercise Sheet #1

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Contents

Task

Re-program the entire exercise sheet and have a look at [**?**] if you need any help solving the problems at home.

1 Nested Lists

This is a list which should be named in the index.

- Red
- Green

  1. (striped)
  2. (dotted)

     no number
  7. different number

- White[1]

In section 2, we continue with tables.

---

[1]note all the white space on this page

2   RCLL-Tabular

The section title does not match the table of contents. . .

Here is a gap of 5 cm.

Color	Fruit	Color	Clothing
Red	Apple	Yellow	Boots
Green	Pear	White	Shirt
Yellow	Banana	Blue	Hat

Table 1: The table uses the `booktabs` package for the rules. Additionally, a `table` environment encapsulates a `tabular` environment. The <u>caption</u> uses the `caption` command.

Centered	Text
Centered	Long text. Long text. Long text. Long text. Long text. Long text. Long text. Long text. Long text. Long text. Long text. Long text. Long text. Long text.
Missing text	

3   Advanced "Math"

3.1   Dollars & Pounds

$\$1 + \£1 = ?$
$\£2 - \$1 = ?$

3.2   Lengths

$23\,\text{mm} + 0.004\,\text{km} = ?$

3.3   Maths for Biologists

How much wood would a woodchuck chuck if a woodchuck would chuck wood?

4 Manual Index: Using References

We can surely say that section 3.1 is on page 3.

5 How to put a Giraffe into a Refrigerator

We have found a simple solution for this age-old problem. It can best be described using the `algorithm` environment which we get using

`\usepackage{algorithm2e}`

in the preamble.

```
1 Open Door;
2 while Giraffe not Inside do
3   if Still power then
4     Push;
5   else
6     Rest some time;
7   end
8 end
9 Close Door;
```
Algorithm 1: Putting a Giraffe into the Fridge

Another reference, it points to algorithm 1. Did you notice that the numbers adopt to the content?

6 Emphasizing Things

With the command `\emph{...}` you can *emphasize* a word. Its appearance depends—of course—on the currently selected document class and style. *If the text itself was slanted, the* emphasized words *would appear upright!*

6.1 Some Fonts

There are huge and ₜᵢₙᵧ fonts. For instance, text may be **bold** or *italic*. It might also have another font family like Roman Family or Sans Serif Family.

7 Quotes

This is a quotation.

> LaTeX (pronounced either Lah-tech or Lay-tech) is a macro package based on TeX created by Leslie Lamport [**?**, page 5].

Have a look at the bibliography. There seems to be an item which was not cited within this document.

8   Commands

A new defined command \smileyitem generates a list entry with a smiley icon.

Example

The command \smileyitem used within an itemize or enumerate environment looks like:

:-) This is a smiley item ...

- and this not

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