

# Introduction to L<sup>A</sup>T<sub>E</sub>X

## Exercise Sheet 3 (Group 5)

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26th March 2012

The `.tex` and related image files for your solutions to this exercise sheet should be emailed to `anni.luhtaniemi@helsinki.fi` before 15:00 on 3rd April. The produced document should contain enough text to fill two pages. If you can't think of anything to write then you can find random text from Lorem Ipsum at <http://www.lipsum.com/>

The file name should be of the form `SurnameExercise3.tex`, e.g. `GilmoreExercise3.tex`.

1. Create a document titled *L<sup>A</sup>T<sub>E</sub>X Solutions 3*, with you as the author.
2. Create a section called *My First Table* and in this section add the below table.

	Born	Died
Archimedes	287 BC	212 BC
William Rowan Hamilton	1805	1865
Évariste Galois	1811	1832
David Hilbert	1862	1943
Amalie Emmy Noether	1882	1935
Stefan Banach	1892	1945
Lars Valerian Ahlfors	1907	1996

3. Put the above table into a `table` environment and add a caption.
4. Create a new section called *Pictures* and add a picture (of your choice) to your document using a `figure` environment. Add a caption.
5. Add labels to the above table and figure and reference each of them somewhere in the document's text.
6. Add a table of contents to your document and generate a list of figures and a list of tables after the table of contents.
7. Create a section with the title *Functional Analysis and Related Topics*, containing three paragraphs and with each paragraph containing at least four lines. (You can copy-paste random text to fill the paragraphs)

8. Recreate the bibliography from the end of this exercise sheet in your document.
9. Cite a reference from your bibliography somewhere in the section *Functional Analysis and Related Topics* such that each reference is cited once.

## References

- [1] P. Ara and M. Mathieu: *Local multipliers of  $C^*$ -algebras* (Springer Monographs in Mathematics, 2003).
- [2] C. G. Grosse-Erdmann: *Universal families and hypercyclic operators*, Bull. Amer. Math. Soc. 36 (1999), 345 - 381.
- [3] E. Saksman and H.-O. Tylli: *Multiplications and elementary operators in the Banach space setting*, in *Methods in Banach space theory*. (London Mathematical Society Lecture Notes 337, CUP, 2006), pp. 253 - 292.