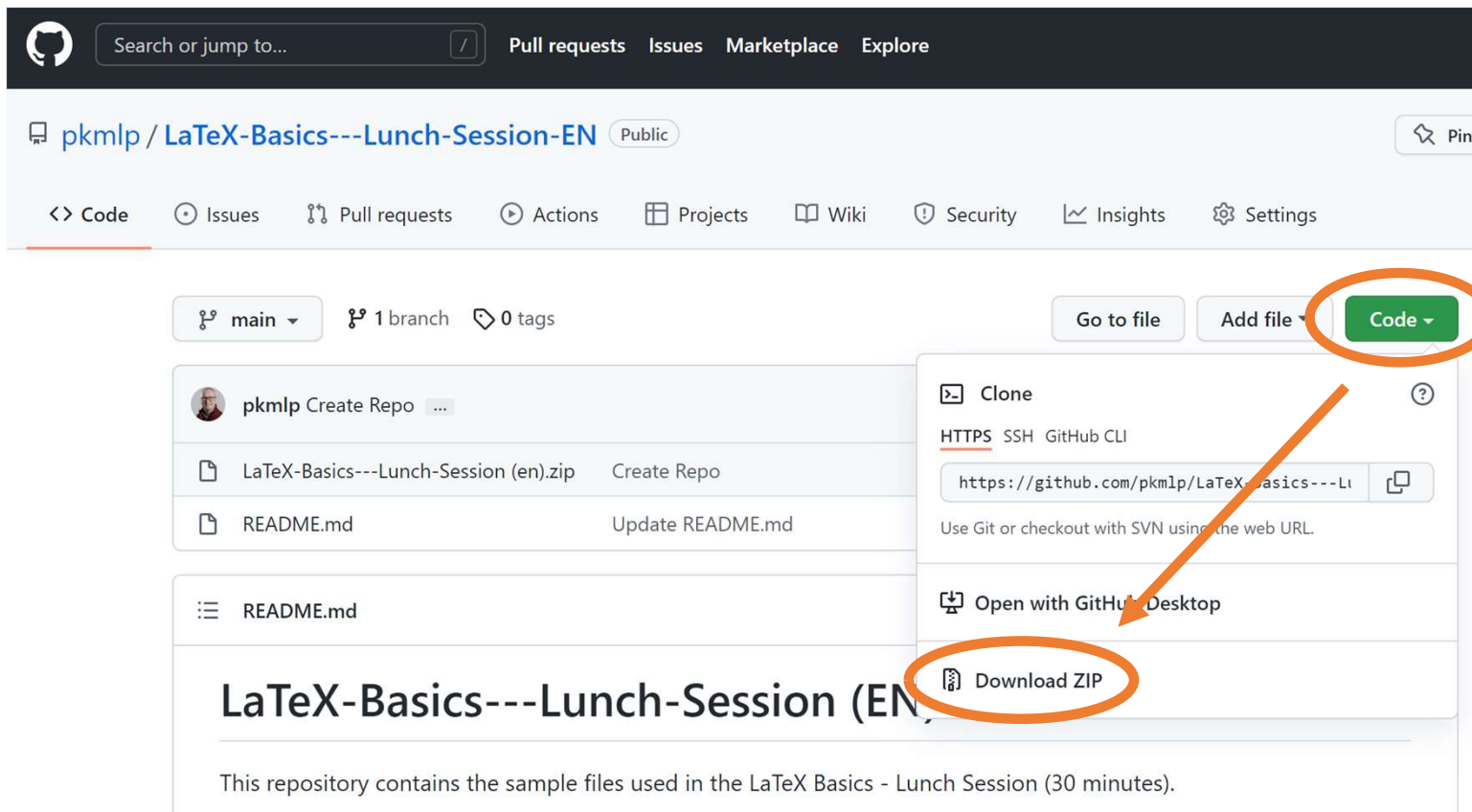


LaTeX-Basics---Lunch-Session

1 - **Download** the documents/exercises from **GitHub** ([pkmlp/LaTeX-Basics---Lunch-Session-EN](https://github.com/pkmlp/LaTeX-Basics---Lunch-Session-EN))



Note for MacOS:

For uploading to Overleaf, the repository must be available as a zip file. MacOS unpacks the repository during the download and deletes the zip-file (moves it to the recycle bin). For the upload you have to use a zip-file (re-zip the repository or restore the zip file from the recycle bin).

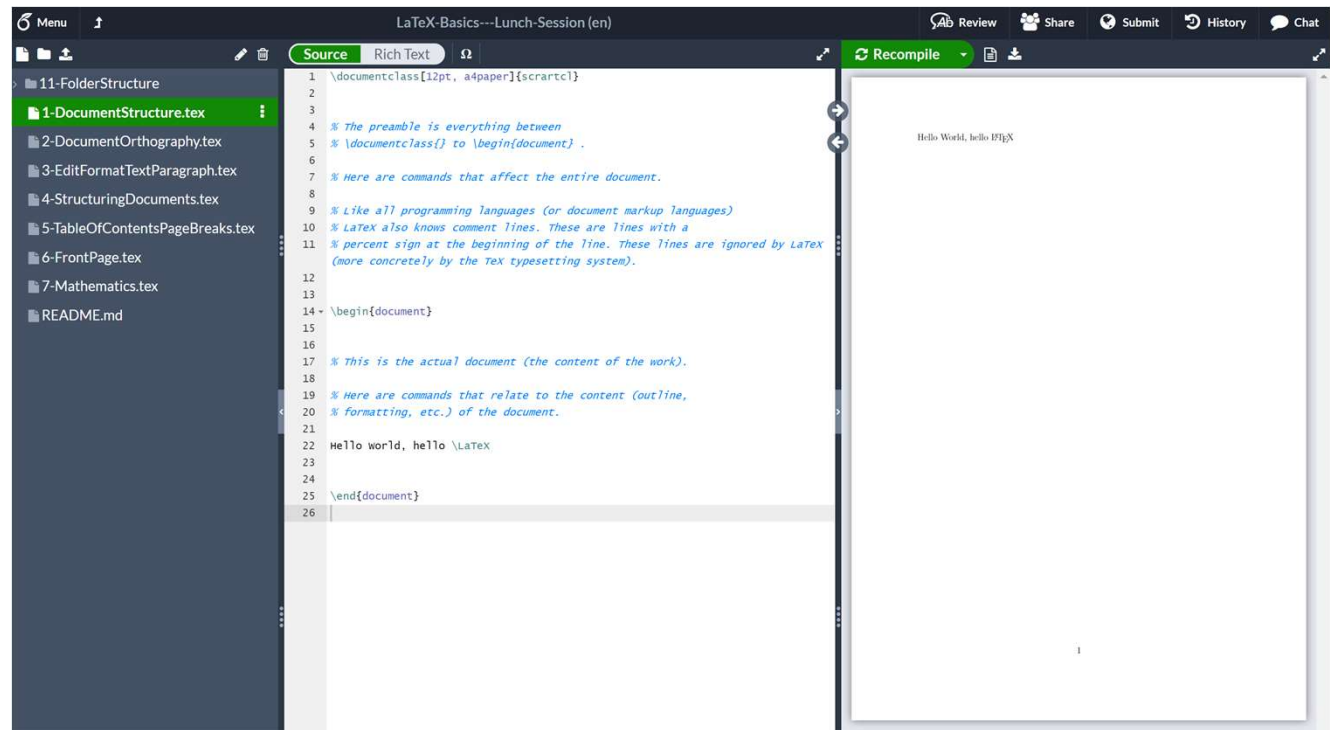
LaTeX-Basics---Lunch-Session

2 - **Upload** the documents/exercises to **Overleaf**

<https://www.overleaf.com/edu/ethz>














1. **Register** (free of charge for ETH students - with ETH mail address)
2. **Login**
3. select **New Project**
4. select **Upload Project** (ZIP-File from Export from GitHub)

Important note: Overleaf is hosted on Amazon Web Services (AWS). AWS has data centers around the world. It is not defined / guaranteed on which data center in which country your work is hosted. Important work is better kept on your computer (with regular backups, e.g. to Polybox). For exercises during the lunch session, Overleaf is quite sufficient. This allows us to use the time for LaTeX and not for fixing installation problems.



LaTeX installation on your own computer

To work with LaTeX, two components are required :

- LaTeX - Distribution (MikTeX  / Texlive   / MacTeX )
- LaTeX - Editor/IDE (TeXworks    / TexMaker    / TeXstudio   )

There are many LaTeX IDEs/editors. Which one to use depends on your own preferences. Besides the pure LaTeX IDEs/editors listed above, there are also LaTeX plugins/extensions for many editors like VI, VIM, EMACS, VS Code, and many more. Thus, the personally preferred editor can also be used for LaTeX.

Windows

ProTeXt (Full: MikTeX and TeXstudio):

- > <https://www.ctan.org/tex-archive/systems/windows/protext>

ProTeXt is a TeX distribution for Windows, based on [MiKTeX](#).

ProTeXt guides the MikTeX installation via a short pdf document (available in German, English, French and Italian), which provides clickable links to install the various components, along with explanations.

MikTeX (Distribution)

- > <https://miktex.org/>

TeXstudio (Editor/IDE):

- > <http://www.texstudio.org/>

Texmaker (Editor/IDE):

- > <http://www.xm1math.net/texmaker/>

TeXworks (Editor/IDE):

- > <https://sourceforge.net/projects/texworks.mirror/>

Linux and other UNIX-like system

TeXlive (Distribution):

- > <https://goo.gl/iwZib7>

TeXstudio (Editor/IDE):

- > <http://www.texstudio.org/>

Texmaker (Editor/IDE):

- > <http://www.xm1math.net/texmaker/>

TeXworks (Editor/IDE):

- > <https://sourceforge.net/projects/texworks.mirror/>

Mac OS

TeXShop (Full: TexLive und TeXShop):

- > <https://pages.uoregon.edu/koch/texshop/about.html>

TeXShop uses TeX Live, a standard distribution of Tex programs maintained by the TeX Users Group (TUG) for Mac OS X, Windows, Linux, and various other Unix machines.

MacTeX (Distribution):

- > <https://tug.org/mactex/mactex-download.html>

TeXstudio (Editor/IDE):

- > <http://www.texstudio.org/>

Texmaker (Editor/IDE):

- > <http://www.xm1math.net/texmaker/>

TeXworks (Editor/IDE):

- > <https://sourceforge.net/projects/texworks.mirror/>