

AxessCleaner

This python module cleans a LaTeX file in order to use the `axessibility.sty` package safely. It handles the following:

- User defined macro e.g `\def`, `\newcommand`, with and without inputs.
- Dollars-defined math environments, e.g `$$\sqrt{4}$$`
- Underscore
- Include external files with `\include`, `\input`

Getting Started

These instructions will get you a copy of the project up and running on your local machine for usage, development and testing.

Prerequisites

In order to use `axesscleaner.py` you need

- python Python 2 \geq 2.7.9 or Python 3 \geq 3.4 (<https://www.python.org>)
 - For windows user, please select the installer.exe (32 or 64 bit) and select also the PATH installation option.
- pip (<https://pip.pypa.io/en/stable/installing/>)
- For the pdflatex version, you need a working tex distribution.
 - TeXLive
 - Mac Osx (<http://www.tug.org/mactex/>)
 - Windows, Ubuntu (<https://www.tug.org/texlive/>)
 - MikTeX (<https://miktex.org>)

Installing

Download the folder on your local computer and unzip the content.

Step 1, Open prompt and go to directory

Linux/ Mac Osx

Open the terminal. Inside the terminal, go to the directory where the folder is stored using

```
cd <address of your folder>
```

For example, if your folder **Axesscleaner** is inside **Documents**, you can do

```
cd ~/Documents/Axesscleaner
```

Windows

Open the Command Prompt. If you are not familiar, please check [this](#). Once open, go to the directory where the folder is stored using

```
cd <address of your folder>
```

For example, if your folder **Axesscleaner** is inside **Documents**, you can do

```
cd C:\Users\<User_Name>\Documents
```

Step 2, install dependencies

Once you are in the right folder, install all the dependencies

```
python -m pip install -r requirements.txt --user
```

Optionally, you can set up a virtualenv and do the same steps inside it (<https://docs.python.org/3/library/venv.html>).

Usage

Now, you are ready to use our module from the command line. Let's look into the input/output structure.

By executing `python src/Py/axesscleaner.py -h` you get the following output

```
optional arguments:
  -h, --help      show this help message and exit
  -i INPUT        Input File (Required). It accepts only .tex files
  -o OUTPUT        Output File (optional, default: input file with _clean as
                  suffix)
  -p              If selected, runs pdflatex at the end
```

Hence, in order to clean a file, execute:

```
python src/Py/axesscleaner.py -i <input file>.tex
```

It will generate `<input file>_clean.tex` in the same folder as the input file. With the option `-p`, i.e.

```
python src/Py/axesscleaner.py -i <input file>.tex -p
```

It will also generate the log files and the `input file>_clean.pdf`

To specify an output, you can execute:

```
python src/Py/axesscleaner.py -i <input file>.tex -o <output file>.tex
```

with or without `-p`.

Main Contributors

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See also the website of the project (www.integr-abile.unito.it) for the full list of contributors and testers.

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Acknowledgments

- [ProgressBar](#)
- Perl scripts inspired by:
- [Flatex](#)
- [StripComments](#)
- Perl scripts inspired by: [this](#).