CORE Installation

- Recap: In last section clicking the green button "<> Code", then select "Download ZIP" and the ZIP file download started.

- Now create a directory `/myprojects/corelibs` or `c:\myprojects\corelibs`

- Extract the content of the ZIP file to `/myprojects/corelibs` or `c:\myprojects\corelibs`

- Change name of `pyproject.toml` to `pyproject.toml_bak`

- Change name of `poetry.lock` to `poetry.lock_bak`

- Execute: `touch pyproject.toml` or on windows powershell `New-item -Itemtype File pyproject.toml`

- Copy the content from github file `introductory/core/pyproject.toml`, open file `pyproject.toml` and paste the content, then save it (location: `/myprojects/corelibs/pyproject.toml` or `c:\myprojects\corelibs\pyproject.toml`)

- Patch `/helpers/common/file_utils.py` at line ~37:

```
37: - with open(file_path, "w") as file:
37: + with open(file_path, "w", encoding='utf-8') as file:
```

- Execute `uv venv .venv --python 3.12`

- Execute `source .venv/bin/activate` or `.\.venv\Scripts\activate`

- Execute: `uv sync --active`

- Execute: `uv lock`

- Execute: `uv build`

- Validate - dist directory is created with content, one `*.whl` file and one `*tar.gz` file.