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# Lightning-Dev-Tools Documentation

*Release 0.11.2*

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## LIGHTNING UTILITIES

This repository covers the following use-cases:

1. Reusable GitHub workflows
2. Shared GitHub actions
3. CLI `python -m lightning_utilities.cli --help`
4. General Python utilities in `lightning_utilities.core`

### 1.1 1. Reusable workflows

Usage:

```
name: Check schema

on: [push]

jobs:

  check-schema:
    uses: Lightning-AI/utilities/.github/workflows/check-schema.yml@v0.5.0
    with:
      azure-dir: "" # skip Azure check

  check-code:
    uses: Lightning-AI/utilities/.github/workflows/check-code.yml@main
    with:
      actions-ref: main # normally you shall use the same version as the workflow
```

See usage of other workflows in `.github/workflows/ci-use-checks.yaml`.

## 1.2 2. Reusable composite actions

See available composite actions [.github/actions/](https://github.com/Lightning-AI/lightning-dev-tools/actions).

Usage:

```
name: Do something with cache

on: [push]

jobs:
  pytest:
    runs-on: ubuntu-20.04
    steps:
      - uses: actions/checkout@v3
      - uses: actions/setup-python@v4
        with:
          python-version: 3.9
      - uses: Lightning-AI/utilities/.github/actions/cache
        with:
          python-version: 3.9
          requires: oldest # or latest
```

## 1.3 3. CLI lightning\_utilities.cli

The package provides common CLI commands.

```
pip install https://github.com/Lightning-AI/utilities/archive/refs/heads/main.zip
```

From pypi:

```
pip install lightning_utilities[cli]
```

Usage:

```
python -m lightning_utilities.cli [group] [command]
```

```
$ cat requirements/test.txt
coverage>=5.0
codecov>=2.1
pytest>=6.0
pytest-cov
pytest-timeout
$ python -m lightning_utilities.cli requirements set-oldest
$ cat requirements/test.txt
coverage==5.0
codecov==2.1
pytest==6.0
pytest-cov
pytest-timeout
```



## 1.4 4. General Python utilities lightning\_utilities.core

From pypi:

```
pip install lightning_utilities
```

**Usage:**

Example for optional imports:

```
from lightning_utilities.core.imports import module_available

if module_available("some_package.something"):
    from some_package import something
```



## INDICES AND TABLES

- `genindex`
- `modindex`
- `search`