WI-Project: Open source project

Introduction to Python (2)

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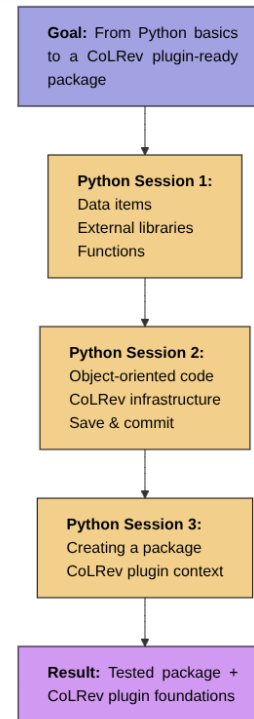
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Information on this session:

- Form groups of three to four participants to collaborate on the tasks, solve them together, and engage in meaningful discussions about your solutions.

- Over the course of two sessions, we will focus on refining a single module using the `colrev run` command, progressively enhancing it with each iteration.

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Start our development environment on GitHub Codespaces

Resume the Codespace started in the previous session

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Package setup

To create a new Python package, you can use package and dependency management tools, such as uv and `uv init`.

If you are working on existing CoLRev packages, you can extend the existing code available in the internal packages directory.

To create a new CoLRev package, navigate to the internal packages directory and run

```
colrev package --init
```

This command assists you in setting up a new CoLRev package interactively.

More information on package development is available here and in the documentation.

Next: Best practice and hacking sessions (per group)

- Study the overview of Python and CoLRev packages

- Read the CoLRev Enhancement Proposal on SearchSources CEP-002, and raise questions in the issue feed (if any)

- Take notes on key challenges and questions (for the best practice session)

- Schedule consultation sessions as needed via Calendly

Useful links and resources for learning Python are available here.

Deliverables

Contribute code to a fork, create branches, and merge code (see deadline).

- The merge should be done in one of the first hacking session meetings.

- Students should prepare the merge by selecting suitable branches and explaining why they should be merged.

- We will complete the merge together with the students to prevent and solve problems.

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