

Otter-Grader Demo Notebook

In-Notebook Usage

Otter supports in-notebook checks so that students can check their progress when working through an assignments. To use it, you need to create an instance of `otter.Notebook`, to which you (optionally) pass a path to a directory of tests; this defaults to `./tests`.

To check a student's work, use `Notebook.check`. Pass to this the question identifier, which is the filename (without the `.py` extension). For example, in this demo, `./tests/q4.py` tests a student's `square` function:

If we have the `square` function defined below, we can run the test using `grader.check("q4")`:

If we change the function so that the tests fail, then the grader outputs the failed test and the incorrect output.

Students can also run all tests at once using `Notebook.check_all`:

Students can also create their own PDF submissions using `Notebook.export`, to which you pass the path to the notebook. Otter uses nb2pdf to generate PDFs (more info [below](#)).