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Lesson 01 Activity: Testing & Linting

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Advanced Testing

Instructions

This activity provides an opportunity for you to practice what you learn in each lesson. This is an ungraded assignment. We strongly recommend that you complete the activity. Feel free to ask or answer questions in the Code Talk discussion forum.

Your assignment is to complete testing and linting on the calculator from the lesson content. As a first step, review the videos and writing on that page. Then find the calculator project directory in the course repository.

Your goals:

Note that all of the command examples below should be run from the <u>activity directory</u>, which contains the *test_unit.py* and *test_integration.py* files.

1. Provide a *MultiplierTests* and *DividerTests* test classes in the *test_unit.py* file.

2. *python -m unittest test_unit.py* and *python -m unittest test_integration.py* should have no failures.

3. Running the following shows 90%+ coverage.

```
coverage run --source=calculator/ -m unittest test_unit.py;
```

1. Satisfy the linter such that *pylint calculator* gives no errors and *flake8 calculator* gives no errors. You can achieve this by some combination of editing your code and editing the *.pylintrc* file to ignore certain violations

Prepare the results, and prepare to demo them!

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