# Setting up a Ruff pre-commit walkthrough

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## First Run Ruff Locally to identify errors

- Installing Ruff in your environment using
  - Pip install Ruff
- Once installed, go to folder where repo is located
- Go to src folder
- Type "ruff check." In command line

#### Setting up a Pre-commit

- First Install Pre-commit
  - pip install pre-commit
  - Add dependency in pyproject.toml (it should already be added)
- create .pre-commit-config.yaml
   file and add to repo
- In .pre-commit-config.yaml file
   Add the following pre-commit information

```
Add this to your .pre-commit-config.yaml:
  - repo: https://github.com/astral-sh/ruff-pre-commit
    # Ruff version.
    rev: v0.1.2
    hooks:
      - id: ruff
Or, to enable autofix:
  - repo: https://github.com/astral-sh/ruff-pre-commit
    # Ruff version.
    rev: v0.1.2
   hooks:
      - id: ruff
        args: [--fix, --exit-non-zero-on-fix]
```

# Editing .pre-commit-config.yaml file

- Configure .pre-commitconfig.yaml file to use ruff
- Add ruff pre-commit to precommit.yaml file to include ruff
- Find information for other packages for pre-commits here:
  - https://pre-commit.com/
  - https://precommit.com/hooks.html
- Push yaml file to repo on github

```
- repo: https://github.com/charliermarsh/ruff-pre-commit

# Ruff version.

rev: 'v0.0.191'

hooks:

- id: ruff

# Respect `exclude` and `extend-exclude` settings.

args: ["--force-exclude"]
```

## Using pre-commit

- To install pre-commit hooks from configuration yaml file
  - pre-commit install
  - This install pre-commit hooks for each upcoming commit
- To run pre-commit hooks on current files, go to specific directory and run
  - Pre-commit run --all-files
- This will identify all errors
  - We can autofix errors by specifying autofix.

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