Copilot

No, you don't need to write your own `coverage.py` script. `coverage.py` is a tool that you can install and use to measure code coverage for your Python programs. Here's how you can use it to generate a coverage report:

Steps to Generate a Coverage Report

1. **Install `coverage.py`**:

   ```
   pip install coverage
   ```

2. **Run your tests with coverage**:

   ```
   coverage run -m pytest
   ```

3. **Generate the HTML report**:

   ```
   coverage html
   ```

This will create an `htmlcov` directory with an `index.html` file that you can open in your browser to view the coverage report.

Detailed Steps

1. **Install `coverage.py`**:

   ```
   pip install coverage
   ```

2. **Run your tests with coverage**: Replace your usual `pytest` command with:

   ```
   coverage run -m pytest
   ```

3. **Generate the HTML report**: After running your tests, generate the HTML report with:

   ```
   coverage html
   ```

4. **View the Report**: Open the `htmlcov/index.html` file in your browser to see a detailed, visual coverage report.

This method should give you a clear, pictorial HTML report of your test coverage. If you encounter any issues or need further assistance, feel free to ask!