How to integrate unit tests in my Code to be integrated into the Build Using GitHub Actions

GitHub Actions is considered a good CI/CD (Continuous Integration/Continuous Deployment) tool because it is tightly integrated into the GitHub platform. This integration makes it easy to set up and configure CI/CD workflows directly within my GitHub repository, without the need to use external CI tools.

1. Create Unit Tests:

Writing unit tests for my code, and ensure that my unit tests are placed in a separate directory.

2. Configure GitHub Actions:

In my GitHub repository, inside the .github/workflows directory create a YAML file to define my GitHub Actions workflow. (ci.yml)

3. Define Workflow:

In the YAML file, define the workflow to run my unit tests.

The above workflow triggers on pushes and pull requests, checks out the code, sets up Python, installs dependencies, and runs the tests using pytest.

By this, my unit tests are automatically executed whenever changes are pushed to my GitHub repository. This ensures that my tests are an integral part of the build and continuous integration process.

