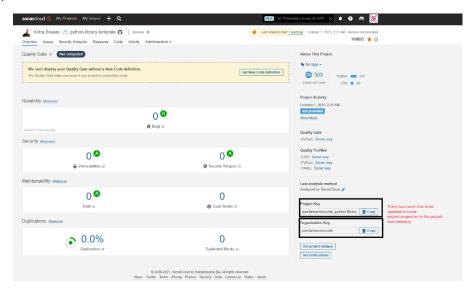
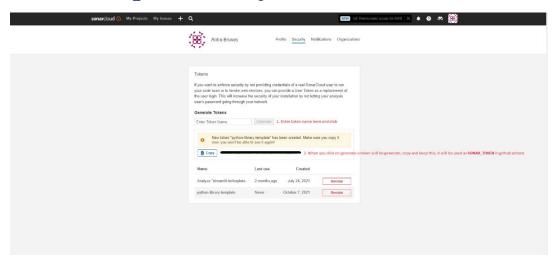
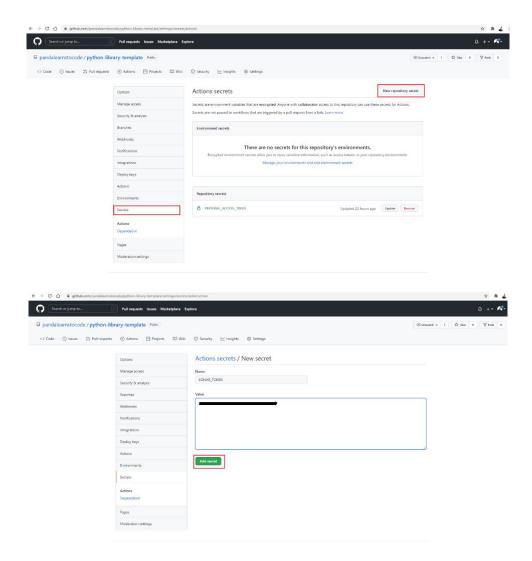
Running static code analysis using Sonar Cloud in CI pipeline

Step 1: Importing project to sonar cloud: login to sonarcloud.io \rightarrow import GitHub organization \rightarrow select a repository in which you want to run sonar cloud static code analysis \rightarrow sonar cloud will import the repository \rightarrow copy paste the project key and organization key from the landing page \rightarrow these values has to be updated in sonar-project.properties in project root directory.

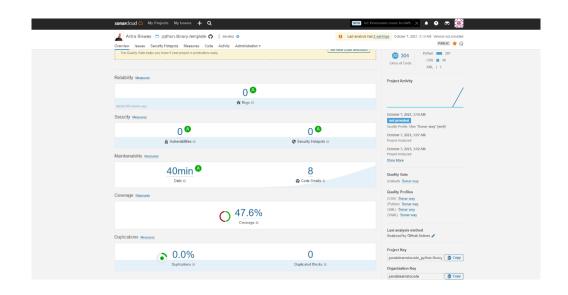


Step 2: Get SONAR_TOKEN from sonarcloud.io. Log into SonarCloud \rightarrow Click on your profile \rightarrow 'My Account' \rightarrow 'Security' \rightarrow Generate your access token for SonarCloud here \rightarrow Go to your repository settings in GitHub \rightarrow 'Secrets' \rightarrow add a new secret with name SONAR_TOKEN and use the generated SonarCloud access token as value.





Step 4: Add pytest, flake8 and pylint related command in action → add SonarCloud action in GitHub action → From sonar cloud project → administrative → switch off automatic integration with github repository → trigger CI pipeline → Validate all the required things are getting reflected in sonar cloud dashboard or not.



TODO:

- Quality gate
- PR decorator
- Adding status badge
- Notification if the merge fails
- Enabling things based on PR, not by push

Reference:

- 1. https://dev.to/remast/go-for-sonarcloud-with-github-actions-3pmn
- 2. https://github.com/pandalearnstocode/python-library-template/blob/develop/.github/workflows/python-app.yml
- 3. https://github.com/pandalearnstocode/python-library-template/blob/develop/sonar-project.properties
- $4. \quad https://sonarcloud.io/dashboard?id=pandalearnstocode_python-library-template$