## **Unit Testing with Jenkins - pytest or JUnit**

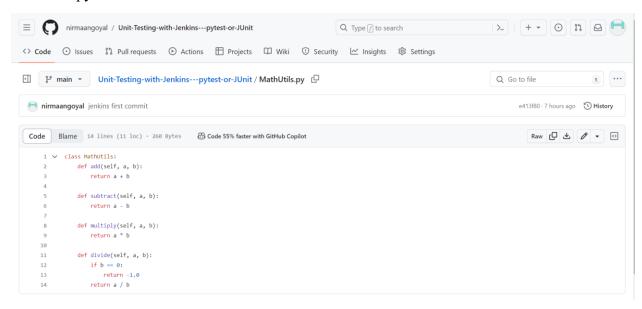
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Link to my git repository: <a href="https://github.com/nirmaangoyal/Unit-Testing-with-Jenkins---pytest-or-JUnit">https://github.com/nirmaangoyal/Unit-Testing-with-Jenkins---pytest-or-JUnit</a>

## Mathutils.py



## Test\_math\_utils.py

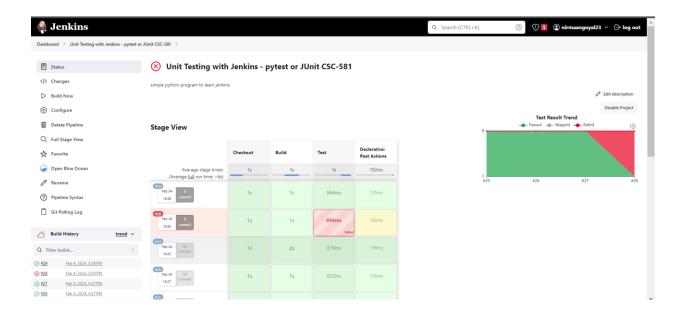
My Jenkins pipeline configuration for checkout, build, test and posting the result in a user-friendly manner.

\*\*post stage will always happen irrespective of success or failure.

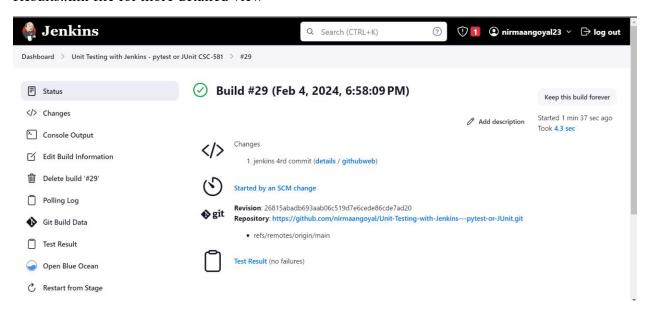
```
pipeline {
  agent any
  stages {
     stage('Checkout') {
       steps {
          checkout scmGit(branches: [[name: '*/main']], extensions: [], userRemoteConfigs:
[[url: 'https://github.com/nirmaangoyal/Unit-Testing-with-Jenkins---pytest-or-JUnit.git']])
        }
     }
     stage('Build') {
       steps {
          git branch: 'main', url: 'https://github.com/nirmaangoyal/Unit-Testing-with-Jenkins---
pytest-or-JUnit.git'
          bat 'python3 MathUtils.py'
     stage('Test') {
       steps {
          bat 'python3 -m pytest --junitxml=results.xml'
       }
  post {
     always {
```

```
junit '**/results.xml'
}
}
```

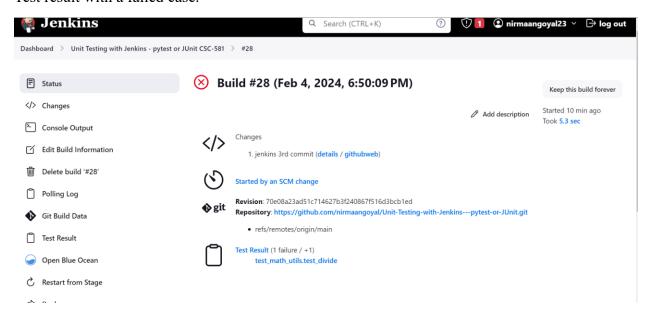
Screenshot of my build history with stage view.



Results.xml file for more detailed view



Test result with a failed case.



Trigger the Jenkins job to run automatically whenever changes are pushed to git.

\*\*I am polling every minute to check if any changes have occurred in my git repository.

