**Unit Testing with Jenkins - Junit**

**By Akilan Pandiyan | 4th February 2024**

**Git Repository:** <https://github.com/AkilanP1726/CSC_581_ASE.git>

# File: mathutils.py

**A screenshot of a computer program

Description automatically generated**

# File: test\_math\_utils.py

A screenshot of a computer program

Description automatically generated

Screenshot of my Built

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**Console Output**

Started by user Akilan Pandiyan

Obtained Jenkinsfile from git https://github.com/AkilanP1726/CSC\_581\_ASE.git

[Pipeline] Start of Pipeline

[Pipeline] node

Running on Jenkins in C:\ProgramData\Jenkins\.jenkins\workspace\python-with-jenkins

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Declarative: Checkout SCM)

[Pipeline] checkout

Selected Git installation does not exist. Using Default

The recommended git tool is: NONE

No credentials specified

> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\python-with-jenkins\.git # timeout=10

Fetching changes from the remote Git repository

> git.exe config remote.origin.url https://github.com/AkilanP1726/CSC\_581\_ASE.git # timeout=10

Fetching upstream changes from https://github.com/AkilanP1726/CSC\_581\_ASE.git

> git.exe --version # timeout=10

> git --version # 'git version 2.43.0.windows.1'

> git.exe fetch --tags --force --progress -- https://github.com/AkilanP1726/CSC\_581\_ASE.git +refs/heads/\*:refs/remotes/origin/\* # timeout=10

> git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10

Checking out Revision a710e797aee9778e01604c88ee5caf2f7efc2d26 (refs/remotes/origin/master)

> git.exe config core.sparsecheckout # timeout=10

> git.exe checkout -f a710e797aee9778e01604c88ee5caf2f7efc2d26 # timeout=10

Commit message: "Update Jenkinsfile with filename"

> git.exe rev-list --no-walk b99c9aa6a3d8a3e9694403fee9dcf87232ca8339 # timeout=10

[Pipeline] }

[Pipeline] // stage

[Pipeline] withEnv

[Pipeline] {

[Pipeline] stage

[Pipeline] { (build)

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\python-with-jenkins>python -m py\_compile math\_utils.py

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Test)

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\python-with-jenkins>python -m pytest --junit-xml test-reports/results.xml test\_math\_utils.py

============================= test session starts =============================

platform win32 -- Python 3.12.1, pytest-8.0.0, pluggy-1.4.0

rootdir: C:\ProgramData\Jenkins\.jenkins\workspace\python-with-jenkins

collected 5 items

test\_math\_utils.py ..... [100%]

- generated xml file: C:\ProgramData\Jenkins\.jenkins\workspace\python-with-jenkins\test-reports\results.xml -

============================== 5 passed in 0.14s ==============================

Post stage

[Pipeline] junit

Recording test results

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] End of Pipeline

Finished: SUCCESS