<u>Jenkins Project – Graded Assignment 6</u>

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1. isPalindrome (string): returns true if the string is a palindrome.

```
Likhith-2914 Update Palindrome.py

At 1 contributor

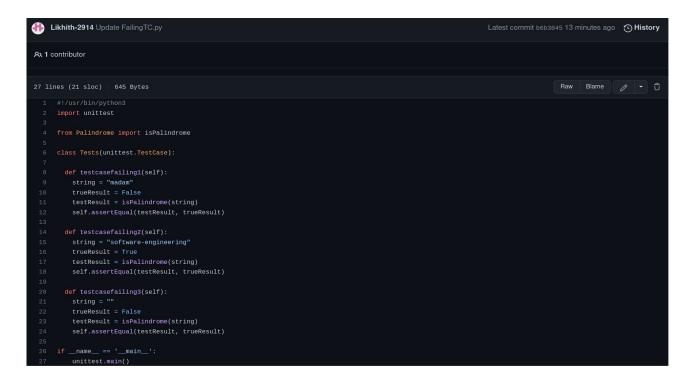
5 lines (3 sloc) 82 Bytes

1 #!/usr/bin/python3

2 3 def isPalindrome(string):
4 return string == string[::-1]
5
```

2. testcasespassing<x>(): checks the testcases that are true (Eg: racecar is a palindrome)

3. testcasesfailing<x>(): checks the testcases that are false (Eg: madam is a palindrome)

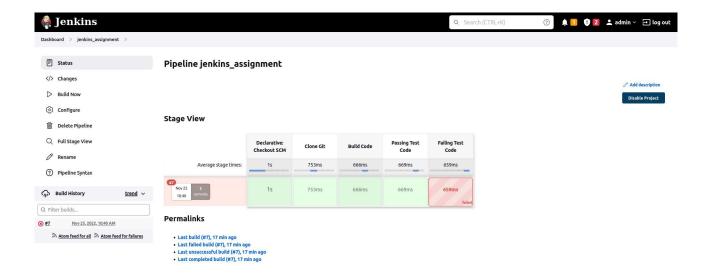


2. Pipeline script:

contains 4 stages where each stage deals with seperate activity as in the script. Ideally the 4^{th} stage must fail as it has the script of failingTC.py which has test cases that fail

Build Result:

The below picture shows the result obtained after building the pipeline script. We can observe that except failing Test code everything passed. It had failed because it has test cases that fail.



In the next page, the entire console output is given

```
Obtained JenkinsPipelineScript from git https://github.com/Likhith-2914/jenkins-assignment.git
Running on Jenkins in /var/lib/jenkins/workspace/jenkins_assignment
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/jenkins_assignment/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Likhith-2914/jenkins-assignment.git # timeout=10
Fetching upstream changes from https://github.com/Likhith-2914/jenkins-assignment.git
> git --version # timeout=10
> git --version # 'git version 2.25.1'
> git fetch --tags --force --progress -- https://github.com/Likhith-2914/jenkins-assignment.git +refs/heads/*:refs/remotes/origin/* # timeout=10 > git rev-parse refs/remotes/origin/master^{commit} # timeout=10 (Checking out Revision b6b3045b284573cb4627286a74dee26ddb0b1141 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f b6b3045b284573cb4627286a74dee26ddb0b1141 # timeout=10
Commit message: "Update FailingTC.py" > git rev-list --no-walk 327b95d88bef564ce8a7fa9275ee6bc34209ad42 # timeout=10
[Pipeline] stage
[Pipeline] { (Clone Git)
Selected Git installation does not exist. Using Default The recommended git tool is: \ensuremath{\mathsf{NONE}}
No credentials specified
 > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/jenkins_assignment/.git # timeout=10
> git config remote.origin.url https://github.com/Likhith-2914/jenkins-assignment.git # timeout=10
Fetching upstream changes from https://github.com/Likhith-2914/jenkins-assignment.git > git --version # timeout=10
 > git --version # 'git version 2.25.1'
 > git fetch --tags --force --progress -- https://github.com/Likhith-2914/jenkins-assignment.git +refs/heads/*:refs/remotes/origin/* # timeout=10 > git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision b6b3045b284573cb4627286a74dee26ddb0b1141 (refs/remotes/origin/master) > git config core.sparsecheckout # timeout=10
> git checkout -f b6b3045b284573cb4627286a74dee26ddb0b1141 # timeout=10 > git branch -a -v --no-abbrev # timeout=10
 > git branch -D master # timeout=10
> git checkout -b master b6b3045b284573cb4627286a74dee26ddb0b1141 # timeout=10
Commit message: "Update FailingTC.py"
[Pipeline] }
[Pipeline] // stage
[Pipeline] { (Build Code)
+ chmod u+x Palindrome.pv
+ ./Palindrome.py
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Passing Test Code)
+ chmod u+x PassingTC.py
+ ./PassingTC.py
Ran 3 tests in 0.000s
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Failing Test Code)
+ chmod u+x FailingTC.py
+ ./FailingTC.py
FAIL: testcasefailing1 (__main__.Tests)
Traceback (most recent call last):
 File "./FailingTC.py", line 12, in testcasefailing1
  self.assertEqual(testResult, trueResult)
AssertionError: True != False
FAIL: testcasefailing2 (__main__.Tests)
Traceback (most recent call last):
  File "./FailingTC.py", line 18, in testcasefailing2 self.assertEqual(testResult, trueResult)
AssertionError: False != True
FAIL: testcasefailing3 (__main__.Tests)
Traceback (most recent call last):
     ile "./FailingTC.py", line 24, in testcasefailing3
self.assertEqual(testResult, trueResult)
AssertionError: True != False
Ran 3 tests in 0.001s
FAILED (failures=3)
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
ERROR: script returned exit code 1
Finished: FAILURE
```