Assignment 2 Solution

Introduction

The goal of this assignment is to consolidate skills related to concepts learned in Module 3 and also utilize the concepts and practices covered in Module 1 and Module 2.

In this assignment, the student is expected to do hands-on in the following areas:

- Undoing Git operations such as:
 - Git Checkout
 - Git Revert and
 - Git Reset
- Fundamental Git & GitHub operations such as:
 - o Push and
 - o Pull
- Fundamentals of SSH communication between local and remote repositories (in our case GitHub).

Solution statement with steps

```
# Now make some changes in your artifacts and build up the commit history.
# The history may contain 6 commits in all including the initial commit.
# Let's say we are making changes to the 2 files called testfile1 and testfile2.
############# STEP-3
# checkout at commit-id-3
$ git checkout commit-id-3
# Modify testfile1, commit it and the commit message is "commit-message-7
# Retain the above change
# Create new branch testbranch1 and checkout the branch at the same time
$ git checkout -b testbranch1
# switch back to master
$ git checkout master
# checkout at commit-id-2 only for file testfile2
$ git checkout commit-id-2 testfile2
# commit your changes
$ git commit -m "commit-message-8"
# Undoing commit-id-8
$ git revert HEAD
# edit testfile2
$ vi testfile2
# add changes to testfile2 to the staging area
$ git add testfile2
# reset you changes for testfile2
$ git reset testfile2
# edit testfile3
$ vi testfile3
# add changes to testfile3 to the staging area
$ git add testfile3
# do a hard reset of testfile3
$ git reset testfile3 --hard
############## STEP-4
```

- # you can use any text editor of your liking \$ vi 404.html
- # commit your changes
- \$ git commit -am "commit-message-9"
- # push to GitHub
- \$ git push
- # Modify the file 404.html directly in the GitHub remote repo # Commit the changes in GitHub (commit message is "commit-message-10")
- # Now pull the remote changes in local repo
- \$ git pull origin master