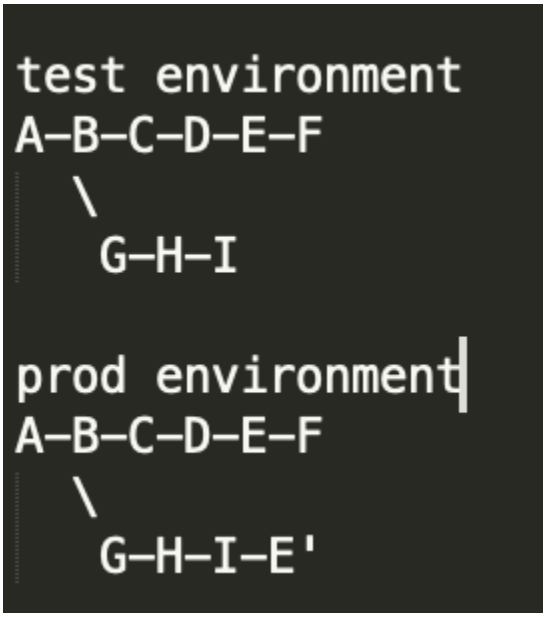
GIT Assessment

Submission Date: 24/08/2020

Distributed version control system (DVCS) - Git

1) Create a Distributed version control system, and put files into it.
2) Replicate a DVCS on your local machine, make changes to its files, and then put them back into it.
3) List down all the files which have changed in the last commit. List only the file names.
4) You've accidentally added some files on a DVCS. Remove those files from the DVCS without deleting them from your local system.
5) You've accidentally committed some files on a DVCS. Revert the DVCS to a previous stable state.
6) Create a DVCS capable of supporting 2 similar dev environments. Make changes in the files which are present on both of them and then merge the environments into one.
7) You have a DVCS supporting your prod, test and dev environments, you need to make sure that only a particular set of commits from the test environment are added in the prod environment. What & how would you do it?



Scenario Questions:

1) If the central repository is two commits ahead of your local repository, how will you push your code ?
2) I have two branches, A and B, where A is my main branch, and B is a the branch with new feature, describe the step by step process getting all of B's code in A

3) Say you have to do an experimental change but still want to have a clean copy of your old code, should you use branching ? Explain your decision