Lab 3: Git Version Control
CSE 2100-001

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1 Objective

Create a BitBucket account and import the course GitHub repository using the BitBucket web interface. Once you have the repository imported into BitBucket, clone it onto your Pi using the *git clone* command. Finally, modify the *hello world* program so that it instead prints "Hello UTA", and push the result to your BitBucket account. Demonstrate your work by running the modified program and displaying the source code on the BitBucket web interface.

1.1 Definitions

git clone : is a command that copies an existing Git repository with the copy having its own history, can mange its own files and is different from the original repository.

git push : is a command that takes two arguments, remote name and branch name to push commits made on our local branch to a remote repository..

git pull : is a command that lets us fetch and integrate with another repository.

git add : is a command that adds file contents before we commit.

git commit : is a command that lets us recored changes to the repository.

local repository : is a repository that is usually on our computer and helps us make local changes.

remote repository : is a repository that is distant away.

branching : is a duplication of an object under revision control .

touch : is a command that is used to create,change or modify a file.

nano : is a text editor that have features such as replace, go to line search and so on.

2 Question 1

What is the difference between a local repository and remote repository when using Git?

Git local repository is used to make local changes with the local repository usually located in our computer. on the other hand, remote repository could be located far away from our computer.

3 Question 2

What is the main drawback to using GitHub vs BitBucket to host your own personal projects?

The main drawback is GitHub personal projects are public but in BitBucket we can have a private personal projects.

4 Question 3

Name three basic text editors that operate solely via the Linux terminal
nano, Vi and Emace.