

Large Application Practicum (LAP) - CS208

Lab 03 Report

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1 Activity

The Lab 3 activity focuses on the advanced concepts of `git`, in particular `branching`, `aliasing`, and `mergeing`. Through the activities and steps in the assignment, we familiarize with the various advanced features of `git`.

2 Observations

2.1 Step 0

We created some aliases, like an alias for un-staging files quickly via the `unstage` command. Also, we created some common aliases in our shell configuration files, like `gco` for `git checkout` and `gc` for `git commit`.

2.2 Step 1

We had to overwrite the repository as some other group had already committed to our repository. After we had done that via the `myproj` account, the rest went smoothly.

2.3 Step 2

We had no issues in changing `cout` to `printf`. We committed and also pushed our changes to the repository as well so that we could see the changes on each others computers.

2.4 Step 3

We `branched` from `master` to a new branch called `factorial-fix`. There, we added a check in the `factorial` function and committed the changes.

2.5 Step 4

After doing the fixes for negative-numbers in the `factorial-fix`, we reverted back to the `master` using the `git checkout` command. Next, we changed the `printf` commands to `cout`.

2.6 Step 5

The `merge` went without issues. We had no merge conflicts to deal with.

2.7 Step 6

After step 5, we were in currently in the branch `master`. We pushed this branch to the remote repository. using the `git push` command. Next, we reverted back to `factorial-fix` branch and also pushed it to the remote repository

2.8 Step 7

We deleted the branch locally. As it wasn't on the remote, there was no deleting to be done there.