**FUNDAMENTALS OF IT**

**GIT ASSIGNMENT**

**DOCUMENTATION OF THE**

**CALCULATOR PROJECT**

**GROUP MEMBERS:**

**Saim Saqib (CT-87)**

**Afraz Khan (CT-67)**

**Daniyal Hussain (CT-93)**

After successfully installing and setting up git and VS code with MingW, we created a git repository named “calculator” and started writing the first part of our code on VS code.

1. “git init”

First off, we initialized a new git repository in the current directory using the above command.

1. “git add .”

Then, we added the files or changes in the working directory for the next commit.

1. “git commit –m “explanation” ”

We, then committed the changes in the staging using the above command and added a message in the double quotations.

1. “git branch –M main”

Using the above code, we renamed the current branch to main.

1. “git remote add origin “URL” ”

Then, we add the URL of the repository that we created in git.

1. “git push –u origin main”

After that, we used the above command to push the commit to the main branch of the remote repository.

1. “git log”

We then checked to see if the commit was a success using the above command for commit history.

1. “git status”

We used the above code to check the status of the files in our repository.

After doing all that, the first few functional features of our calculator were pushed in the git repository. Then, we proceeded to add updates and additional features to our project.

We cloned the previously pushed code using “git clone “URL” ”, and added more features to it. After making the wanted changes, we again walked our code through the previous steps like add, commit, and push.

That’s how we added all the updates with totally over 4 commits.