**Git and Github**

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**git –version** (This command is use to check the version of a git)

**git config --global user.name "Sufyanhamza"**

**git config --global user.email** [**sufyan.hamza07@gmail.com**](mailto:sufyan.hamza07@gmail.com)

or use this command

**git config - - global - - edit**

**git init** (This command is used to convert folder into get repository )

**git add addition.py** (This command is use to add a file to a staging area of git)

**git add .** (This command is used to add all files of a folder into a staging area of git )

**git status** (This command is used to check the status of a file )

**git commit -m “Initial Commit”** (This command is finalized the changes of files)(inside the Double Qout String is used for our memory which we changed )

**git log** (This command is used to list all changes which we done )

**git checkout** ( and add a hashcode of a Commit): It is used to move to the file to his previous version

**git checkout main** (Use to back to main)

**git branch dev(name)** (This command is use to create branch dev in a main)

**git checkout dev** (This command is use to shift from main to branch dev)

or use one command for both

**git checkout -b Hamza(name)** (This command is use to create and shift inside a branch)

(We will Comeback to the dev file using command git checkout dev than merge Hamza files into dev)

**git merge Hamza** (We merge files)

**pip freeze > requirements.txt** (Is sy requirements ka aik package ban jy ga keh hum ny konsy packages or version use kr rakhy hy)

**pip install -r requirements.txt** (Yeh command wo banda use kry ga or packages install kry ga jis ky pass hum packages bhejy gy)

**touch .gitignore** (We will use this command in a Bit Bash for not allow to upload specific files on gihub)

**push an existing repository from the command line**

git remote add origin https://github.com/Sufyanhamza/simple\_calculator.git

(This command is use to set a remote)

**git remote -v** (This command is used to check whether remote is set or not )

**git branch -M main**

**git push -u origin main** (This command is used to push our code on Github)

**git clone** [**https://github.com/Sufyanhamza/simple\_calculator.git**](https://github.com/Sufyanhamza/simple_calculator.git)(To get the access of a code of Github from another user 2 )

**git checkout -b dev** (Is used to create a branch name dev)

**git pull** (is use to get latest update from Github into our local computer)