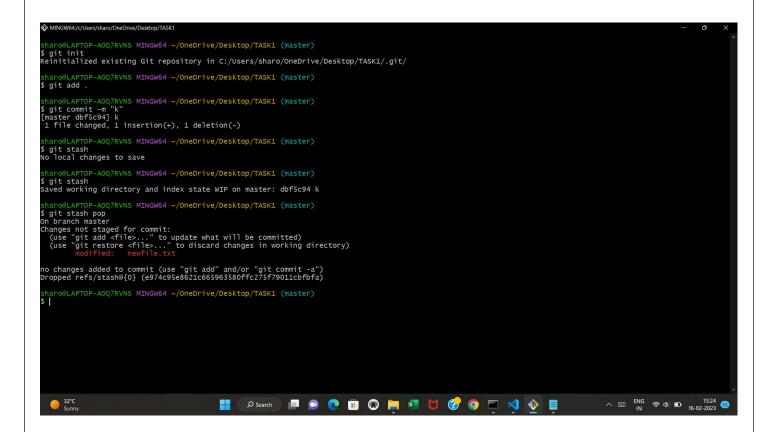
Q1. Describe the usage of the git stash command by using an example and also state the process by giving the screenshot of all the commands written in git bash.

Git Stash:

The git stash command is used to temporarily save changes that are not ready to be committed. It allows you to switch to a different branch or perform other operations without committing the current changes. After, you can apply the changes back to the working directory using git stash apply or git stash pop.



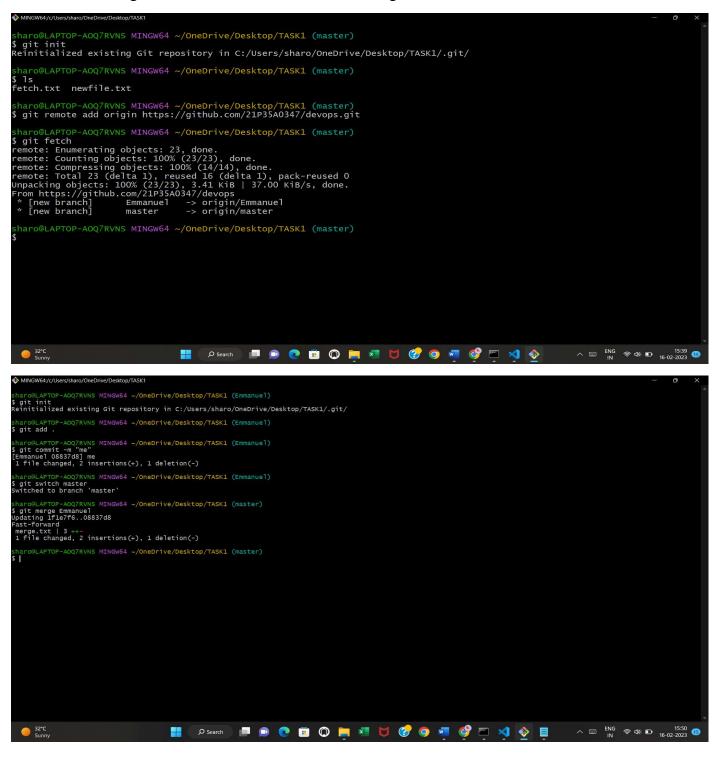
Q2. By using a sample example of your choice, use the git fetch command and also use the git merge command and describe the whole process through a screenshot with all the commands and their output in git bash.

Git fetch:

The git fetch command is used to retrieve changes from a remote repository and store them in a local branch. It allows you to see changes made by other collaborators without merging them into your local branch.

Git merge:

The git merge command, on the other hand, is used to merge changes from one branch into another. It combines the changes made in different branches into a single branch.



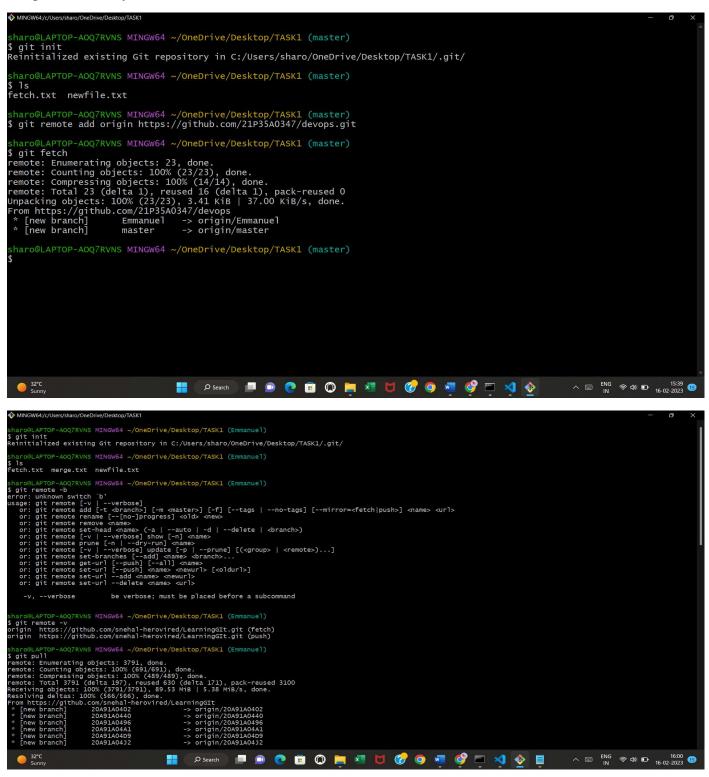
Q3. State the difference between git fetch and git pull by doing a practical example in your git bash and attach a screenshot of all the processes.

Git fetch:

The git fetch command retrieves changes from a remote repository and stores them in a separate branch in your local repository. This allows you to review the changes before merging them into your local branch.

Git Pull:

The git pull command, on the other hand, retrieves changes from a remote repository and automatically merges them into your local branch.

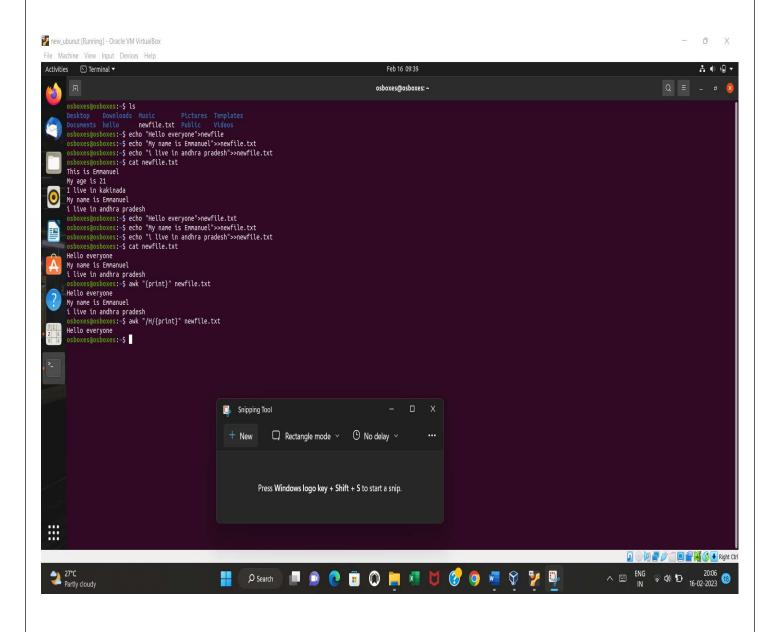


Q4. Try to find out about the awk command and use it while reading a file created by yourself. Also, make a bash script file and try to find out the prime number from the range 1 to 20.

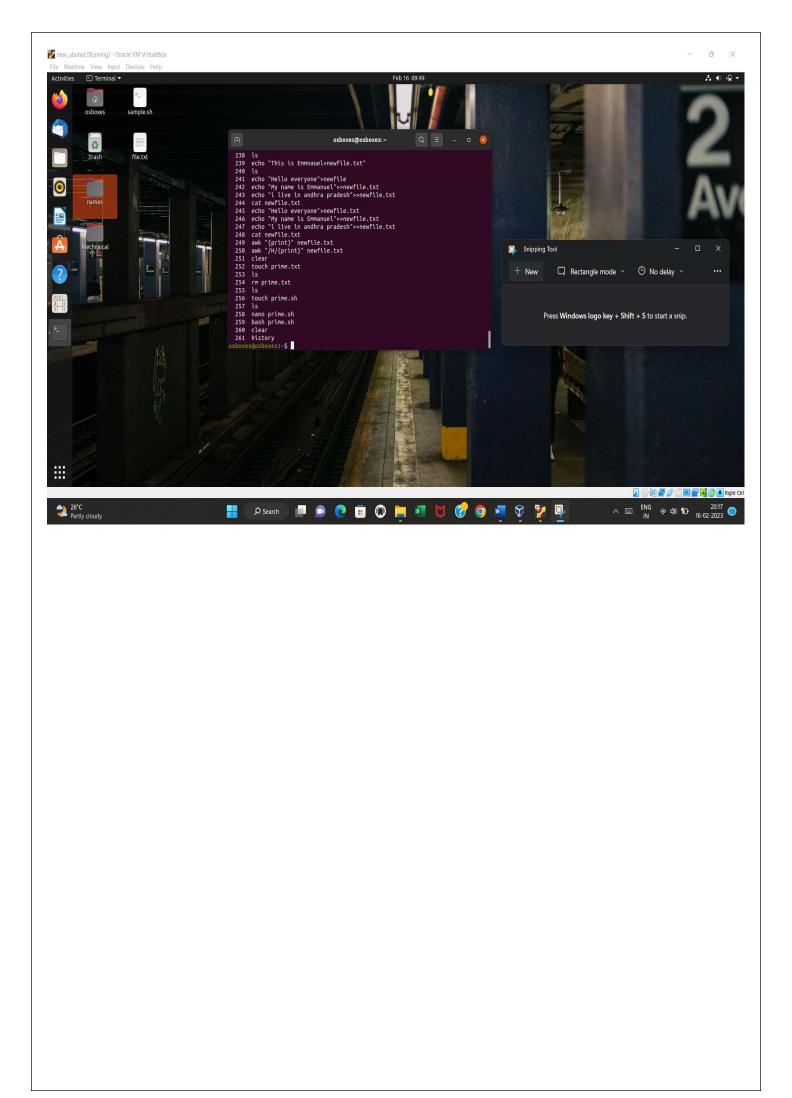
The whole process should be carried out and by using the history command, give the screenshot of all the processes being carried out.

AWK Command:

The awk command is a powerful text-processing tool used to manipulate and analyze data files, particularly in Linux and Unix operating systems. It scans files line by line, applies patterns to each line, and performs actions based on the matching patterns.



Prime numbers ranges from 1 to 20 - o × new_ubunut [Running] - Oracle VM VirtualBox Press Windows logo key + Shift + S to start a snip. ng Get Help ng Write Out nw Where Is nw Cut Text ng Justify ng Cur Pos ng Undo ng Mark Text ng To Bracket ng Previous ng Back ng Prev Word ng Exit ng Read File n∖ Replace nu Paste Text ng Nort Nort ng Nort word no Nort ng Provincia ng Nort Nort ng Nort Nort ng Nort Nort nort north 2 Pight Ctrl 26°C Partly cloudy ,O Search 🔲 📵 📵 🕫 🔘 📜 💆 🥑 🧑 🌉 0 new_ubunut [Running] - Oracle VM VirtualBox Terminal ▼ osboxes@osboxes: soboxes@osboxes: soboxes@osboxes: besktop Documents: Downloads hello Music newfile newfile.txt Pictures prime.txt Public Templates Videos osboxes@osboxes: soboxes@osboxes: besktop Documents: Downloads hello Music newfile newfile.txt Pictures Public Templates Videos osboxes@osboxes: besktop Documents: Downloads hello Music newfile newfile.txt Pictures Public Templates Videos osboxes@osboxes: besktop Documents: Downloads hello Music newfile newfile.txt Pictures Public Templates Videos osboxes@osboxes: besktop Documents: Downloads hello Music newfile newfile.txt Pictures Public Templates Videos osboxes@osboxes: besktop Documents: Downloads hello Music newfile newfile.txt Pictures Public Templates Videos osboxes@osboxes: osboxes@osboxes: besktop Documents: Downloads hello Music newfile newfile.txt Pictures Public Templates Videos osboxes@osboxes: besktop Documents: Downloads hello Music newfile newfile.txt Pictures Public Templates Videos osboxes@osboxes: osboxes@osboxes: besktop Documents: Downloads hello Music newfile newfile.txt Pictures Public Templates Videos osboxes@osboxes: osboxes@osboxes: osboxes@osboxes: besktop Documents: Downloads hello Music newfile newfile.txt Pictures Public Templates Videos osboxes@osboxes: osboxes@osbox osboxes@osboxes: ~ 0 Press Windows logo key + Shift + S to start a snip. xes@osboxes:~\$ **:::** 2 Digital Ctri , D. Search 📗 📵 🩋 🗓 🔘 🐚 📜 💆 🦁 🤵 🜌 😚 🦖 👺



Q5. Set up a container and run an Ubuntu operating system. For this purpose, you can make use of the docker hub and run the container in interactive mode.

