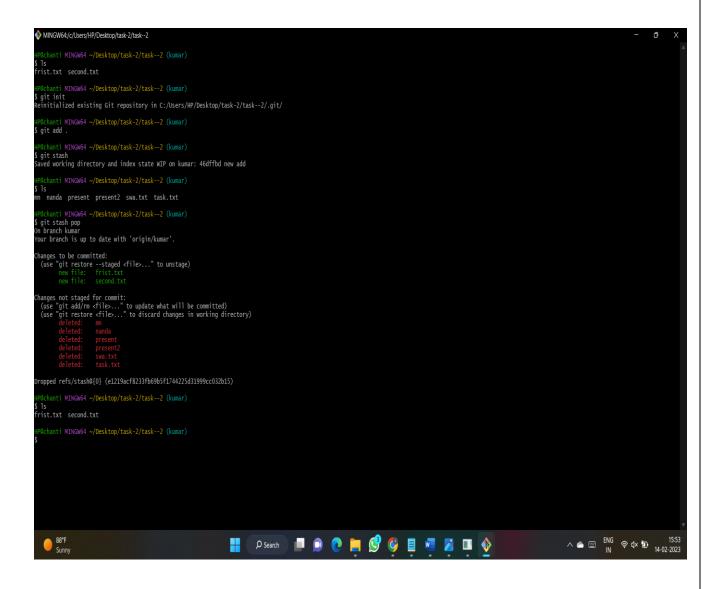
Q1. Describe the usage of the git stash command by using an example and also state the process by giving the screenshot of all the commands written in git bash.

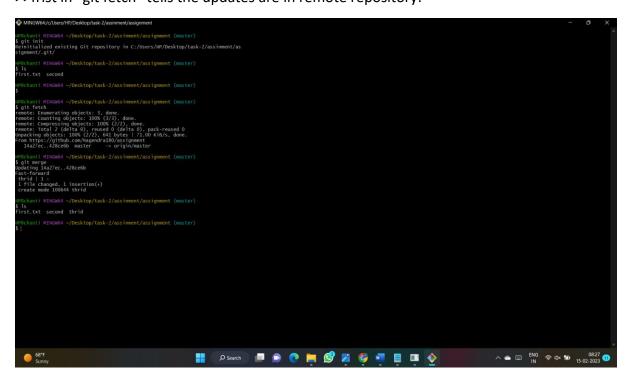
Git stash: git stash is used to store the data temporarily and safely without committing.

when we are working on a branch sometimes we need to switch the branch without completion on current work and we don't want to commit incomplete work. so here the "git stash" come to action and stores the work in hidden place without any commit.

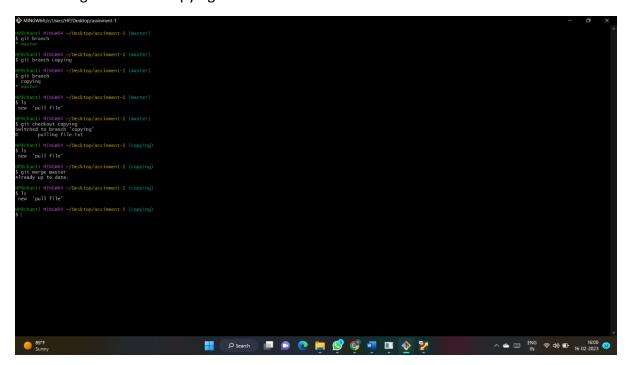


Q2. By using a sample example of your choice, use the git fetch command and also use the git merge command and describe the whole process through a screenshot with all the commands and their output in git bash.

git fetch>> git fetch is used to pull the all updates form remote repository by using git fetch command we pull the all updates from remote repository >> frist in "git fetch" tells the updates are in remote repository.



>>Git merge is used to copying the data from one branch to another 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 pull==git fetch+ git merge

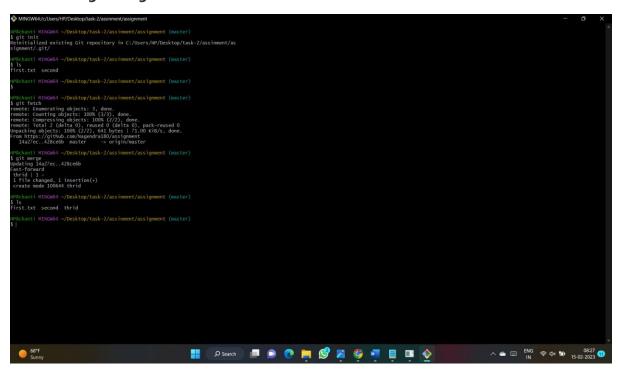
git fetch tells the there are changes avaliable in remote repository without bringing the changes in local repository

But git pull brings the copy of files in remote repository to local repository

after the git fetch git merge command is used to copying the files form remote repository to local repository

Fetch never manipulates or intigrates data. Pull downloads the data and integrates it with the current data.

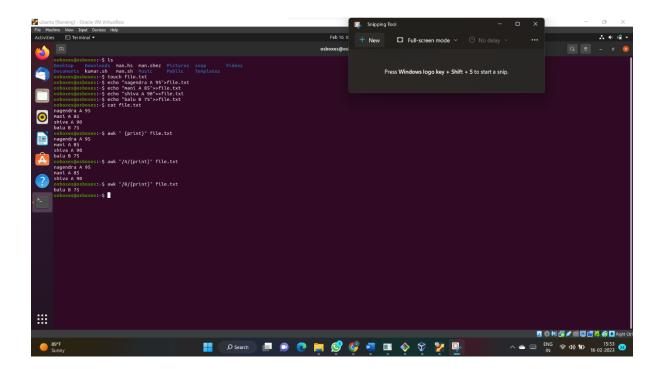
Git fetch + git merge



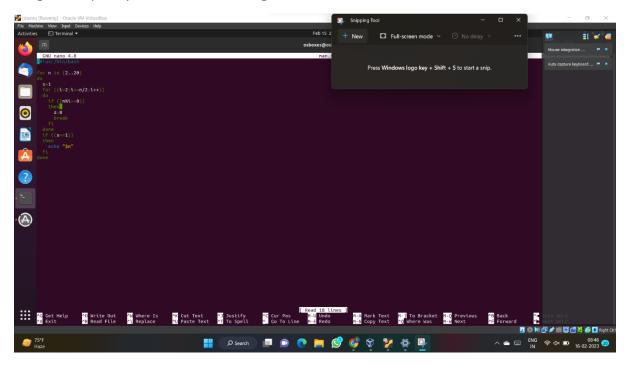
Git pull

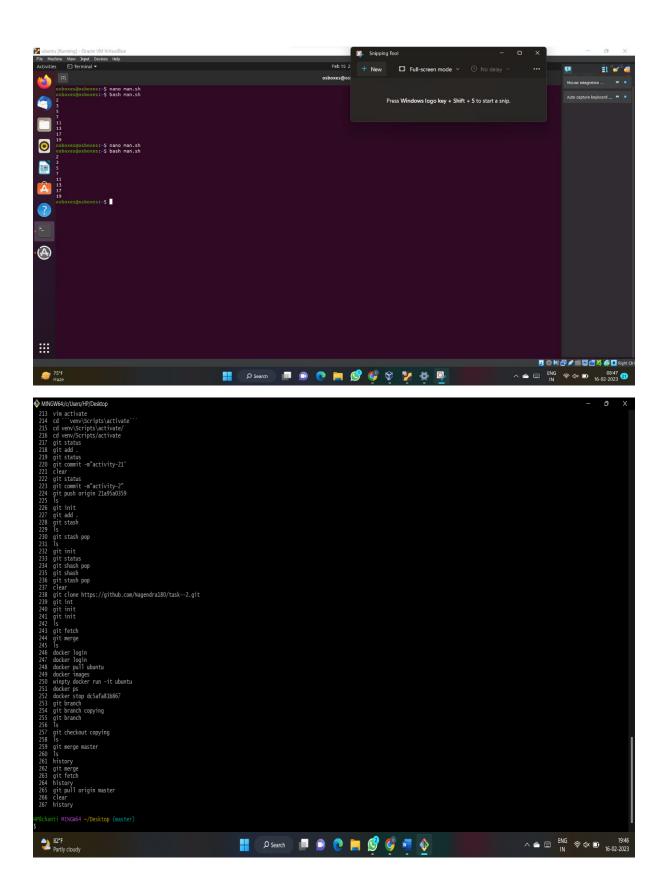
Q4. Try to find out about the awk command and use it while reading a file created by yourself. Also, make a bash script file and try to find out the prime number from the range 1 to 20.

The awk command is a linux tool and programming language that allows users to process and manipulate data.



Program to print prime number in range 1-20





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

Frist check we are login are not in docker desktop by using command "docker login"

If not login with your credentials

- >>Pull the image ubuntu images. "docker pull ubuntu"
- >>to run the container in interactive mode ."winpty docker run -it ubuntu"

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Force: Cannot perform an interactive login from a non TIY device

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Rough In with your password granty your terminal complete access to your account.

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>> to stop the the image "docker ps" and copy the image id. And stop the images by commad "docker stop id"

