Assignment Answers

1. How to check if git is available on your system.

Ans Shoot the command "git version" in the GitBash. → It shows the version of the git available in our system

→ if it doesn't show - it mean that git is not present in our system.

So, by using "git version" command we can verify that git is available on our system.

2. How to initialize a new Git repository.

Ans:- By shooting the "git init" in the Git Bash, we initialize a new repository where 3-stages of Git Architecture was actually initializing behind the scene. in the working directory.

→ It also creates a local repository.

4 videos

3. How to tell git about your name and email.

If we are using git for the first time, we need to add our identity like name, email id into the git software ~~for every push operation encountered.~~

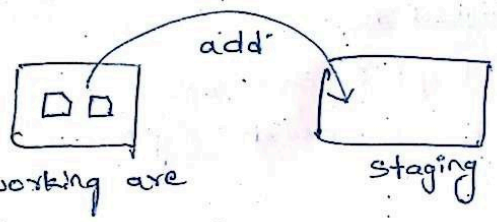
When our configuration information is used by our git software for every push encountered.

To set username and email we use following commands.

```
git config --global user.name "name"
git config --global email "emailId"
```

```
git config --list // this command provide the
                     list of configuration details.
```

4. How to add a file to the staging area



use the command ~~git add <file name>~~

```
git add .  // ~~add files~~ adding all
              files from working
              Area to Staging Area.

git add <file name> // adding a particular
                       file from working
                       area to staging Area
```

5. How to remove a file from Staging Area.

command: `git rm --cached <file name>`

which remove a file from stage Area and move to the working Area.

6. How to make a commit.

A: Before we committing a file into local repository it has to be in stage Area as a staged file.

So, first we have to move a file from work space to stage Area, then to Local repo

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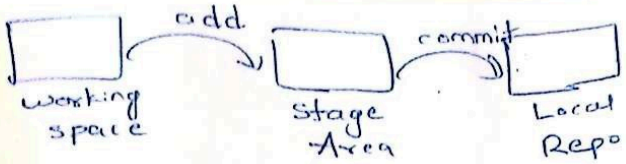

command : git add <file name>

The file is added to stage Area from working space.

command for commit.

~~git~~ git commit -m "message" <file name>

=> git commit -m "message" <file name>

Any file in Stage Area represents that the file is ready to commit into Local repository.

So, By using the above command we commit any file from stage Area to Local Repo.

7. How to send your changes to a remote repository.

Command: "git push" is used posh all the changes to your code from Local repo to remote repository.

8. What is the difference b/w clone and pull.

(a) clone

=> It is used to clone the repository (copy of project or entire project files in the repo) into working directory of the developer from remote repo in Server

git clone <url>
↓
of repo

(b) pull

=> It is used to fetch the latest changes made to the remote repository. and latest source code uploaded and new branches added to working directory from remote directory

git pull