**Q1. How to check if git is available on your system ?**

**Answer** . To check if git is available in your use this command

**git version or git --version**

**Q2. How to initialize a new git repository?**

**Answer.** To create a new repo, you'll use the git init command. git init is a one-time command you use during the initial setup of a new repo. Executing this command will create a new .git subdirectory in your current working directory. This will also create a new main branch.

**Q3. How to tell git about your name and email?**

**Answer.** If git software is used for the first time we use

**Git config**

The command will set the developer identity like nameM ,email id .This configuration information will be used by git software for every push operation encountered .

**> git config: --list // this command is used to provide the list of configuration.**

**To set the username and email**

**> git config --global user.name "Muskan"**

**> git config --global user.email  "**[**javamuskan2022@gmailcom**](mailto:javamuskan2022@gmaiY.com)**".**

**Q4.How to add a file to staging area ?  
Answer**. To send the code from workspace to stage area we use the following command

**syntax : git add <file-name>**

If we want to push all the files from workspace to stage area,we use the following command.

**syntax: git add .**

**git add --a**

**Q5.How to remove  a file from staging area ?  
Answer.**  To un stage the files from staged area to workspace,using the following command

**syntax: git rm --cached <file-name>**

**Q6. How to make a commit?**

**Answer.** The files which are ready for commit should be in stage area, to perform commit operation we use the following command

**syntax: git commit -m <some-messages>**

eg1. git commit -m "first commit" //This file commit all the files present in stage area

eg2. git commit -m "second commit" filename //This will commit only that file into local repository.

**Q7. How to send your changes to a remote repository?**

**Answer.** If you made any changes to your code first add it to stage area by using

**git add .**

And to push it to remote repository we need to use following command

**git branch - main**

**git remote add origin https://github.com/NitinTechnolog!/Workspace.git**

**git push -u origin main**

**Q8.What is the difference between clone and pull?**

**Answer. CLONE :** It is used to clone the repository to the working directory of the developer.

**Syntax : git clone**

**PULL : I**t is used to fetch the latest changes made in the remote repository to the working directory.

**syntax: git pull**