SANKET GUPTA

1.What is in a repository?

A Git repository tracks and saves the history of all changes made to the files in a Git project. It saves this data in a directory called . git , also known as the repository folder. Git uses a version control system to track all changes made to the project and save them in the repository

2.What basically is Git?

Git is an Open Source Distributed Version Control System. Now that's a lot of words to define Git. Let me break it down and explain the wording: Control System: This basically means that Git is a content tracker.

3.what is the command you can use to write a commit message?

The "commit" command is used to save your changes to the local repository. Note that you have to explicitly tell Git which changes you want to include in a commit before running the "git commit" command

4.what are the advantage of using git?

- Save time
- Offline working
- Undo mistake
- Track change
- Speed

5.what is the function of 'GIT PUSH ' in GIT?

The git push command is used to upload local repository content to a remote repository

6.What is "Staging Area" or "INDEX" in GIT?

The staging area can be described as a preview of your next commit. When you create a git commit, Git takes changes that are in the staging area and make them as a new commit. You are allowed to add and remove changes from the staging area. The staging area can be considered as a real area where git stores the changes.

7. what is the function of git clone?

git clone is primarily used to point to an existing repo and make a clone or copy of that repo at in a new directory, at another location

8.what is the function of 'git config'?

The git config command is a convenience function that is used to set Git configuration values on a global or local project level. These configuration levels correspond to . gitconfig text files

9.what is the purpose of branching in git?

In Git, branches are a part of your everyday development process. Git branches are effectively a pointer to a snapshot of your changes. When you want to add a new feature or fix a bug—no matter how big or how small—you spawn a new branch to encapsulate your changes.

10.what is 'git status ' is used for?

The git status command is used to display the state of the repository and staging area. It allows us to see the tracked, untracked files and changes. This command will not show any commit records or information.

11.what is 'git add' is used for?

git add. The git add command adds a change in the working directory to the staging area. It tells Git that you want to include updates to a particular file in the next commit.

12.what does 'git pull' command in GIT do Internally?

the git pull command is used to fetch and download content from a remote repository and immediately update the local repository to match that content. Merging remote upstream changes into your local repository is a common task in Git-based collaboration work flows.

13.How can we see the configuration setting of git installation?

If you want to check your configuration settings, you can use the git config --list command to list all the settings Git can find at that point: $ git config --list user.name=Sanket-Gupta user.

14.How will you Write a message with commit command in GIT?

The easiest way to create a Git commit with a message is to execute "git commit" with the "-m" option followed by your commit message. When using the Git CLI, note that you should restrict your commit message in order for it not to be wrapped.

15.how you will create a new branch in git?

The easiest way to create a Git branch is to use the "git checkout" command with the "-b" option for a new branch. Next, you just have to specify the name for the branch you want to create. To achieve that, you will run the "git checkout" command with the "-b" option and add "feature" as the branch name.

16.What command you will use to delete a Branch?

Delete a branch with git branch -d <branch>.

17.what is use of git rm Command in git?

git rm is used to remove a file from a Git repository.

18.Difference between git and github?

GIT	GITHUB
1.git is software	2.github is a service
2.git is a command-line tool	2.github is a graphical user Interface
3.git I installed locally on the system.	3.github is hosted on the wed

4.git is maintained by linux.

4.github is maintained by microsoft

5.git has no user management feature.

5.github has a built in user management feature

19.GIT written in which language?

Python,C,C++

20.What is a 'Conflict' in Git?

A conflict arises when two separate branches have made edits to the same line in a file, or when a file has been deleted in one branch but edited in the other.