1. What is a repository in git?

Ans) Git is an open-source software used for tracking project changes and revisions across different teams. git saves different versions of projects in a folder known as a Git repository.

1. What is Git?

Ans) At a high level, GitHub is a website and cloud-based service that helps developers store and manage their code, as well as track and control changes to their code.

1. What is the command you can use to write a commit messege?

Ans) git commit -m "\_\_\_\_"

1. What is the advantages of using git?

Ans) 1)Data redundancy and replication  
  
 2)Any sort of projects can use GIT  
  
 3)High availability  
  
 4)Only one .git directory per repository  
  
 5)Superior disk utilization and network performance



1. What is the function of ‘git push’ in GIT?

Ans) $ git push <remote> --all

1. What is “staging area “ or “ index” in git?

Ans) Unlike the other systems, Git has something called the "staging area" or "index". This is an intermediate area where commits can be formatted and reviewed before completing the commit.

1. What is the function of “git config”?

Ans) which will display the set value at that name. Configuration names are dot delimited strings composed of a 'section' and a 'key' based on their hierarchy.

Ex: git config user.email

1. What is the purpose of branching in git?

Ans) The motivation behind spreading in GIT is that you can make your own branch and hop between those branches. It will enable you to go to your past work keeping your current work intact

1. What is the function of “git clone”?

Ans) cloning is the act of making a copy of any target repository.

Ex: $ git clone <repository URL>

Ex:

1. What is the ‘git status’ is used for?

Ans) The git status lists which files are staged, unstaged, and untracked.

Ex: git status

1. What is ‘git add’ is used for?

Ans) Remove files from the staging area.

Ex: $ git add <File name>

1. What does ‘git pull’ command in git do internally?

Ans) git pull is one of the 4 remote operations within Git. Without running git pull, your local repository will never be updated with changes from the remote.

1. How can we see the configuration settings of git installation?

Ans) $ git config --global user.name "ramesh"

$ git config --global user.email johndoe@example.com

1. How will you write a message with commit command in git?

Ans) The commit command is used to save changes to a local repository after staging in Git. However, before you can save changes in Git, you have to tell Git which changes you want to save as you might have made tons of edits.

1. How will you create a new branch in git?

Ans) To create a new branch in Git, you use the git checkout command and pass the -b flag with a name.

1. What command will you use to delete a branch?

Ans)

For deleting

Ex: git branch -d local\_branch\_name

1. What is the use of git rm command in git?

Ans) The git rm command is used to remove the files from the working tree and the index.

Ex: $ git rm <file Name>

1. Difference between git & github?

Ans) Git — The version control tool that GitHub is built on top of.

GitHub — Our company and the name of our software. We build software and websites to help you interact with Git repositories in a nice way.

1. Git is written in which language?

Ans) c language

1. What is a ‘conflict’ in git?

Ans) When you pull their changes into your local repository, you’ll notice that there is a conflict.