GIT Interview Questions:

Ultimately, the significant advantage of this program is that you will be capable to command the higher salary in your succeeding job interview. It is suitable to learn [Git Training](https://svrtechnologies.com/devops-training/git-training) Framework for technical interests. However, if you do not understand how to manage interview questions on GIT Framework, you cannot transform your GIT Framework experience into the higher salary.

This course comprises questions that are helpful for a Fresher to a Designer level. The challenge level ([Splunk Training](https://svrtechnologies.com/devops-training/splunk-training" \t "_blank)) of the issue differs in the program from a Fresher to an expert professional. Later a lot of analysis and investigation with various DevOps experts that have 10 years of experience in their field and are constantly using interviews as well, I have accumulated the beneath set of questions. Interested to grasp exceeding regarding Git (*GIT Interview Questions*).

1. What is GIT version control ? (GIT Interview Questions)

Answer: With the help of GIT version control, you can track the history of a collection of files and includes the functionality to revert the collection of files to another version. Each version captures a snapshot of the file system at a certain point of time. A collection of files and their complete history are stored in a repository. (GIT Interview Questions)  
(*GIT Interview Questions*)

2. What is the difference between ‘git remote’ and ‘git clone’?

Answer: ‘git remote add’ just creates an entry in your git config that specifies a name for a particular URL. While, ‘git clone’ creates a new git repository by copying and existing one located at the URI.

3. How can you bring a new feature in the main branch ?

Answer: To bring a new feature in the main branch, you can use a command “git merge” or “git pull command”.

4. Mention some of the best graphical GIT client for LINUX ?

Answer: Every node (or Puppet Agent) has got its configuration details in Puppet Master, written in the native Puppet language. These details are written in the language which Puppet can understand and are termed as Manifests. Manifests are composed of Puppet code and their filenames use the .pp extension.

Now give an example, you can write a manifest in Puppet Master that creates a file and installs apache on all Puppet Agents (Slaves) connected to the Puppet Master.

5. What is Subgit ? Why to use Subgit ?

Answer: ‘Subgit’ is a tool for a smooth, stress-free SVN to Git migration. Subgit is a solution for a company -wide migration from SVN to Git that is:

a. It is much better than git-svn

b. No requirement to change the infrastructure that is already placed

c. Allows using all git and all sub-version features

d. Provides genuine stress –free migration experience.

(*GIT Interview Questions*)

6. What is the function of ‘git diff ’ in git ?

Answer: ‘git diff ’ shows the changes between commits, commit and working tree etc.

7. What is ‘git status’ is used for ?

Answer: As ‘Git Status’ shows you the difference between the working directory and the index, it is helpful in understanding a git more comprehensively.

8. What is the difference between the ‘git diff ’and ‘git status’ ?

Answer: ‘git diff’ is similar to ‘git status’, but it shows the differences between various commits and also between the working directory and index. (GIT Interview Questions)

9. What is the function of ‘git checkout’ in git ?

Answer: A ‘git checkout’ command is used to update directories or specific files in your working tree with those from another branch without merging it in the whole branch.

([Top 50 Devops GIT Questions and Answers Pdf](https://svrtechnologies.com/top-50-devops-git-interview-questions/))

10. What is the function of ‘git rm’ ?

Answer: To remove the file from the staging area and also off your disk ‘git rm’ is used.(*GIT Interview Questions*)

11. What is the function of ‘git stash apply’ ?

Answer: When you want to continue working where you have left your work, ‘git stash apply’ command is used to bring back the saved changes onto the working directory.(*GIT Interview Questions*)

12. What is the use of ‘git log’ ?

Answer: To find specific commits in your project history- by author, date, content or history ‘git log’ is used.

13. What is ‘git add’ is used for ?

Answer: ‘git add’ adds file changes in your existing directory to your index.

14. What is the function of ‘git reset’ ?

Answer: The function of ‘Git Reset’ is to reset your index as well as the working directory to the state of your last commit.

15. What is git Is-tree ?

Answer: ‘git Is-tree’ represents a tree object including the mode and the name of each item and the SHA-1 value of the blob or the tree.

(*GIT Interview Questions*)

16. How git instaweb is used ?

Answer: ‘Git Instaweb’ automatically directs a web browser and runs webserver with an interface into your local repository. (GIT Interview Questions)

17. What does ‘hooks’ consist of in git ?

Answer: This directory consists of Shell scripts which are activated after running the corresponding Git commands. For example, git will try to execute the post-commit script after you run a commit.

18. Explain what is commit message ?

Answer: Commit message is a feature of git which appears when you commit a change. Git provides you a text editor where you can enter the modifications made in commits.(*GIT Interview Questions*)

19. How can you fix a broken commit ?

Answer: To fix any broken commit, you will use the command “git commit—amend”. By running this command, you can fix the broken commit message in the editor.

20. Why is it advisable to create an additional commit rather than amending an existing commit ?

Answer: There are a couple of reason

a.The amend operation will damage the case that was earlier accumulated in a commit. If it’s simply the commit information [being](https://svrtechnologies.com/)converted then that’s not a problem. However, if the contents are being amended then possibilities of reducing something significant prevails more.

b. Exploiting “git commit- amend” can generate a small commit to develop and obtain irrelevant variations.(*GIT Interview Questions*)

21. What is ‘bare repository’ in GIT ?

Answer: To co-ordinate with the distributed development and developers team, especially when you are working on a project from multiple computers ‘Bare Repository’ is used. A bare repository comprises of a version history of your code.(*GIT Interview Questions*)

22. Name a few Git repository hosting services ?

Answer:

* Pikacode
* Visual Studio Online
* GitHub
* GitEnterprise
* SourceForge.net

23. What is git rerere ?

Answer: In GIT, rerere is a hidden feature. The full form of rerere is “reuse recorded resolution”.

By using rerere, GIT remembers how we’ve resolved a hunk conflict. The next time GIT sees the same conflict, it can automatically resolve it for us.  
(GIT Interview Questions)

24. What does a commit object contain ?

Answer: Whenever we do a commit in GIT by using git commit command, GIT creates a new commit object. This commit objects is saved to GIT repository.

The commit object contains following information:

HASH: The SHA1 hash of the Git tree that refers to the state of index at commit time.

Commit Author: The name of person/process doing the commit and date/time.

Comment: Some text messages that contains the reason for the commit.

25. What is cherry-pick in GIT ?

Answer: A git cherry-pick is a very useful feature in GIT. By using this command we can selectively apply the changes done by existing commits.

In case we want to selectively release a feature, we can remove the unwanted files and apply only selected commits.(*GIT Interview Questions*)

26. What is shortlog in GIT ?

Answer: A shortlog in GIT is a command that summarizes the git log output. The output of git shortlog is in a format suitable for release announcements.

27. What is git grep ?

Answer: GIT is shipped along with a grep command that allows us to search for a string or regular expression in any committed tree or the working directory. By default, it works on the files in your current working directory.

28. How can your reorder commits in GIT ?

Answer: We can use git rebase command to reorder commits in GIT. It can work interactively and you can also select the ordering of commits.

29. What is filter-branch in GIT ?

Answer: In GIT, filter-branch is another option to rewrite history. It can scrub the entire history. When we have large number of commits, we can use this tool.

It gives many options like removing the commit related changes to a specific file from history.

You can even set you name and email in the commit history by using filter-branch.

30. What is a submodule in GIT ?

Answer: In GIT, we can create sub modules inside a repository by using git submodule command.

By using submodule command, we can keep a Git repository as a subdirectory of another Git repository.

It allows us to keep our commits to submodule separate from the commits to main Git repository.

(*GIT Interview Questions*)

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