

# GIT

## INTERVIEW QUESTIONS

### PART - 2

1. What does git status command do?

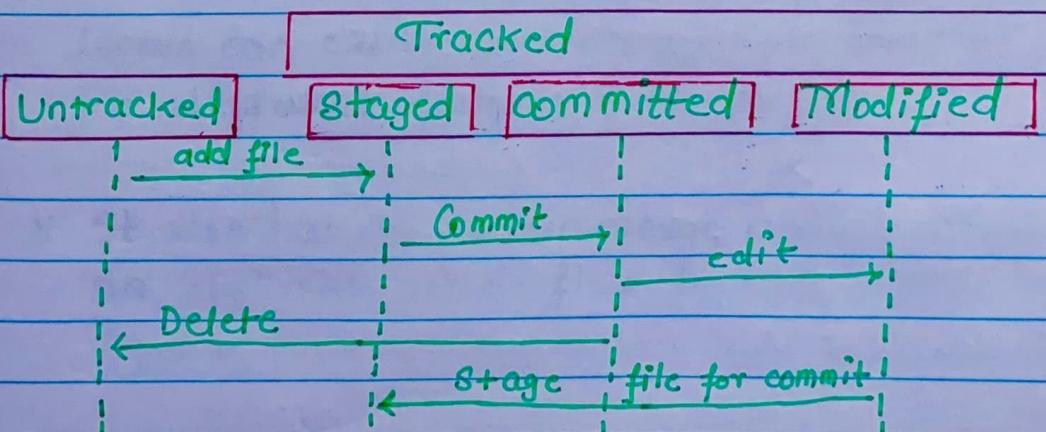
⇒ git status command is used for showing the difference between the working directory and the index which is helpful for understanding git in-depth and also keep track of the tracked and non-tracked changes.

@codeus\_notes (Instagram)

2. Define 'Index'.

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⇒ Before making commits to the changes done, the developer is given provision to format and review the files and make innovations to them. All these are done in the common area which is known as 'Index' or 'Staging Area'.



### 3. What does git add command do?

- ⇒ \* This command adds files and changes to the index of the existing directory.
- \* You can add all changes at once using git add. command.
- \* You can add files one by one specifically using git add <file-name> command.
- \* You can add contents of a particular folder by using git add /<folder-name>/ command.

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### 4. Why is it considered to be easy to work on git?

- ⇒ With the help of git, developers have gained many advantages in terms of performing the development process faster and in a more efficient manner. Some of the main features of git which has made it easier to work are:-

#### \* Branching Capabilities :-

- \* Due to its sophisticated branching capabilities, developers can easily work on multiple branches for the different features of the project.

- \* It also has an easier merge option along with an efficient work-flow feature diagram for tracking it.

### \* Distributed manner of development :-

- \* Git is a distributed system and due to this nature, it becomes easier to trace and locate data if it's lost from the main server.
- \* In this system, the developer gets a repository file that is present on the server. Along with this file, a copy of this is also stored in developer's system which is called a local repository.

### \* Pull Requests feature:-

- \* This feature helps in easier interaction amongst the developers of a team to coordinate merge operations.

- \* It keeps a proper track of the changes done by developers to the code.

### \* Effective release cycle :-

- \* Due to the presence of a wide variety of features, git helps to increase the speed of the release cycle and helps to improve the project workflow in an efficient manner.

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### 5. How will you create a git repository?

- \* Have git installed in your system.

- \* Then in order to create a git repository, create a

folder for the project and then run `git init`.

- \* Doing this will create a `.git` file in the project folder which indicates that the repository has been created.

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6. Tell me something about git stash? Krishna Agrawal {in}

→ Git stash can be used in cases where we need to switch in between branches and at the same time not wanting to lose edits in the current branch. Running the `git stash` command basically pushes the current working directory state and index to the stack for future use and thereby providing a clean working directory for other tasks.

7. What is the command used to delete a branch?

→ To delete a branch we can simply use the command  
`git branch -d [head]`

\* To delete a branch locally, we can simply run the command:  
`git branch -d <local_branch_name>`

\* To delete a branch remotely, run the command: `git push origin --delete <remote_branch_name>`

\* Deleting a branching scenario occurs for multiple reasons.

One such reason is to get rid of the feature branches once it has been merged into the development branch.

8. What differentiates between the commands `git remote` and `git clone`?

→ `git remote` command creates an entry in `git config` that specifies a name for particular URL.  
Whereas `git clone` creates a new git repository by copying an existing one located at the URL.

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9. What does `git stash apply` command do? @codeus\_notes

→ \* `git stash apply` command is used for bringing the works back to the working directory from the stack where the changes were stashed using `git stash` command.

\* This helps the developers to resume their work where they had last left their work before switching to other branches.

10. What do the `git diff` and `git status` commands do?

→ `git diff` :- This shows the changes between commits, working trees, etc.

`git status` :- This shows the difference between the working directory and index that is essential in understanding git in depth.

\* `git diff` works in a similar fashion to `git status` with the only differences between the commits and also between the working directory and index.

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