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1. What is a repository inGIT? Answer:

A Git repository tracks and savesthe history of all changes made to the files in a Gitproject.

It saves this data in a directory called . git , also known as the repositoryfolder.

Git uses a version control system to track all changes made to the project and save them in therepository.

1. What is GIT?

Answer:

Git is distributed version control system.

Git allows the users to perform a operations of projects, it always trace of any changes make in our files.It makes easy to save our workfiles.

3) What is the command you can useto write a commitmessage?

Answer:

git commit

Usage: Git commit – m “[Type in the commit

message] “

This command records or snapshots the file permanently in the version history.

Usage: Git commit - a

This command commits any files you’ve added with the git add command and also commits any files you’ve changed since then.

4) What are the advantages of using GIT?

Answer:

Git performs very strongly andreliably

when compared to other version control systems.

Git is designed specially to maintain the integrity of source code. File contents aresecured.

Git is a widely supported open source project.

Git offers the type of performance, functionality, security, and flexibilitythat most developers and teams need to develop theirprojects.

5) What is the function of 'GIT PUSH'in Git?

Answer:

The git push command is used toupload

local repository content to a remote repository. Pushing is how we transfer commits from our local repository to a remote repo.

6) What is "Staging Area" or "Index" in GIT?

Answer:

These files are also referred to as "untrackedfiles."Stagingareaisfilesthat aregoingtobeapartofthenextcommit, which lets git know what changes in the file are going to occur for the next commit. The repository contains all of a project'scommits.

7) What is the function of gitclone? Answer:

git clone is a git command line utility used to target an existing repositoryand create a clone, or copy of the target repository.

8) What is the function of 'gitconfig'? Answer:

The git config command is a convenience function that is used to set Git configuration values on a global or local projectlevel.

These configuration levels correspond to . gitconfig text files. Executinggit

config will modify a configuration text

file.

9) What is the purpose of branching in GIT?

Answer:

a branch in Git is a way to keep developing and coding a new feature or modification to the software and still not affecting the main part of the project. We can also say that branches create another line of development in the project.

10) What is 'git status' is used for? Answer:

The git status command displays the state of the working directory and the stagingarea.Itletsweseewhichchanges

have been staged, which haven't, and

which files aren't being tracked by Git.

11) What is 'git add' is used for?

Answer:

The git add command is used to add file contents to the Index (Staging Area). This command updates the current content of the working tree to the staging area. Italso prepares the staged content for the next cocommit.

12) What does 'git pull' command in GIT do internally?

Answer:

Incorporates changes from a remote repository into the current branch. In its default mode, git pull is shorthand for git

fetch followed by git merge FETCH\_HEAD .

More precisely, git pull runs git fetch with the given parameters and calls git merge to merge the retrieved branch heads into the current brbranch

13) How can we see theconfiguration settings of GITinstallation?

Answer:

If we want to check our configuration settings, we can use the git config --list command to list all the settings Git can find at that point: $ git config --list user.name=Vidya ususer

14) How will you write a messagewith commit command inGIT?

Answer:

git commit -m

The quickest way to write a git commit is

to use the command git commit -m "Git commit message here" .

15) How will you create a new branchin Git?

Answer:

On GitHub.com, navigate to the main page of the repository. Click the branch selector menu. Type a unique name for our new branch, then select Create branch