

GIT COMMANDS

Configuration Commands

1. **git config --global user.name "Name"**: Sets the name you want attached to your commit transactions.
2. **git config --global user.email "email@example.com"**: Sets the email you want attached to your commit transactions.
3. **git config --global core.editor "editor"**: Sets the default text editor to be used by commands like git commit.

Basic Commands

4. **git init**: Initializes a new Git repository.
5. **git clone [url]**: Clones an existing repository into a new directory.
6. **git status**: Shows the working tree status.
7. **git add [file]**: Adds a file to the staging area.
8. **git commit -m "message"**: Commits the staged snapshot with a message.

Branching and Merging

9. **git branch**: Lists all branches in the repository.
10. **git branch [branch-name]**: Creates a new branch.
11. **git checkout [branch-name]**: Switches to the specified branch and updates the working directory.
12. **git merge [branch-name]**: Merges the specified branch's history into the current branch.
13. **git branch -d [branch-name]**: Deletes the specified branch.

Remote Repositories

14. **git remote -v**: Lists all configured remote repositories.
15. **git remote add [name] [url]**: Adds a new remote repository.
16. **git fetch [remote]**: Fetches branches and commits from the remote repository.
17. **git pull [remote]**: Fetches and merges changes from the remote repository into the current branch.
18. **git push [remote] [branch]**: Pushes the specified branch to the remote repository.

Undoing Changes

- 19.**git reset [file]**: Unstages the specified file but preserves its contents.
- 20.**git checkout -- [file]**: Discards changes in the working directory.
- 21.**git revert [commit]**: Reverts a commit by creating a new commit.
- 22.**git reset --hard [commit]**: Resets the index and working directory to the specified commit.

Viewing History

- 23.**git log**: Shows the commit history.
- 24.**git log --oneline**: Shows the commit history in a compact format.
- 25.**git diff**: Shows changes between commits, commit and working tree, etc.

Stashing

- 26.**git stash**: Stashes the changes in a dirty working directory.
- 27.**git stash pop**: Applies the stashed changes and removes the stash.
- 28.**git stash list**: Lists all stashes.
- 29.**git stash drop**: Deletes the specified stash.

Tagging

- 30.**git tag [tag-name]**: Creates a new tag.
- 31.**git tag -d [tag-name]**: Deletes the specified tag.
- 32.**git push [remote] [tag-name]**: Pushes the specified tag to the remote repository.

Name: Anurag Kumar
Employee ID: INN912
ASSOCIATE DEVELOPER