

Concepts of Git-Part-2

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Basic commands of Git:

- **Git init**

```
git init <Repo Name>
```

- **Git add**

```
git add
```

- **Git commit**

```
git commit -m
```

- **Git status**

```
git status
```

Branching

The `git branch` command is used to manage branches in a Git repository..Branches used to create seperate lines of development

List Branches: It shows all the branches in your repository.

```
git branch
```

Creates Branches: It allows you to create a new branch

```
git branch branch_name
```

Deletes Branches: It is used to removes branches that are no longer needed.

```
git branch -d branch_name
```

- **Git checkout**

The 'git checkout' command is used to switch between branches or restore files

```
git checkout branch_name
```

- **Merging**

It is used to merge the branches

```
git merge branch_name
```

- **Git push**

It is used to upload your local repository to a remote repository

```
git push remote_name branch_name
```

- **Git pull**

The 'git pull' command is used to fetch and merge changes from a remote repository to local repository.

```
git pull remote_name branch_name
```

Undo changes:

- **Git revert**

Undo the changes

```
git revert
```

- **Git reset**

Reset the changes

```
git reset -soft
```

- **Git tag**

Tags are used to mark specific points in history as important often used for marking release

List tag:

To list all the tags in repository

```
git tag
```

Creating tag:

```
git tag <tagname>
```

Viewing tag:

```
git show <tagname>
```

- **Git clean**

Remove untracked files and directories.

```
git clean
```

- **git cherry-pick**

Apply a specific commit to the current branch.

```
git cherry-pick
```

- **git Hooks**

Use scripts to automate actions before or after Git commands.

```
git hooks
```

Thank you