GIT

Story and Need of GIT

What is GIT ?

- Git is a version control system that tracks changes in source code during development.
- Helps manage code changes, and maintain version history efficiently.
- Version Control: Tracks changes and enables reverting to previous versions if needed.

How to download Git

Explain Branching

Initial few steps

```
*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"
```

```
$ git config --global user.name "Jay-mishra04"
```

```
$ git config --global user.email "jabcd.1997@gmail.com"
```

Commands

`git init` — ***Initialize a local repository***

`git status` — ***Tells the current status of the repository***

`git add filename` `git add .` — ***Pushes the files to waiting area***

`git commit -m "Initial commit"` — ***Pushes the changes to the branch***

```
*** Please tell me who you are.
```

`git branch -M new-branch-name` — ***Changes branch name***

`git log` — ***Tells about all the versions***

Temporary reset to old

`git checkout (serial no)`

`git add .`

`git commit -m "Reverted back"`

Make a new branch

`git checkout -b new branch (serial no.)`

`git branch`

`git checkout branchname`

GIT-HUB

`git init` ***Initialize a local repository***

`git status` ***Tells the current status of the repository***

`git add filename` `git add .` ***Pushes the files to waiting area***

`git commit -m "Initial commit"` ***Pushes the changes to the branch***

`git remote add origin <repository-url>`

`git branch -M main`

`git pull origin main --allow-unrelated-histories`

`git push -u origin main`

After it you can use direct commands like git push

Press `Esc` to ensure you're in command mode.

Type `:wq` (write and quit).

Press `Enter`.