

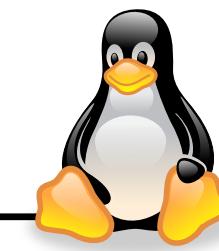
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Hello Hacktober

With Git & GitHub



- What is HactoberFest**
- HactoberFest Registration and Participation Criteria**
- What are the ways to contribute ?**
- What is Git and GitHub**
 - Git - Email Service
 - GitHub - Gmail, Yahoo, Outlook etc
- Why we are using Git and GitHub ?**



Basic Linux Commands

- mkdir Project
- ls
- cd Project
- cat filename
- touch newFile.txt
- vi filename

Initializing a Git Repository

- git init

Making the First Change

- Command - git status - Displays the state of the working directory and staging area.



Staging the First Change and Adding Data to the Files

- git add .
- git status
- git commit -m "message"

View overall history of the project

- git log

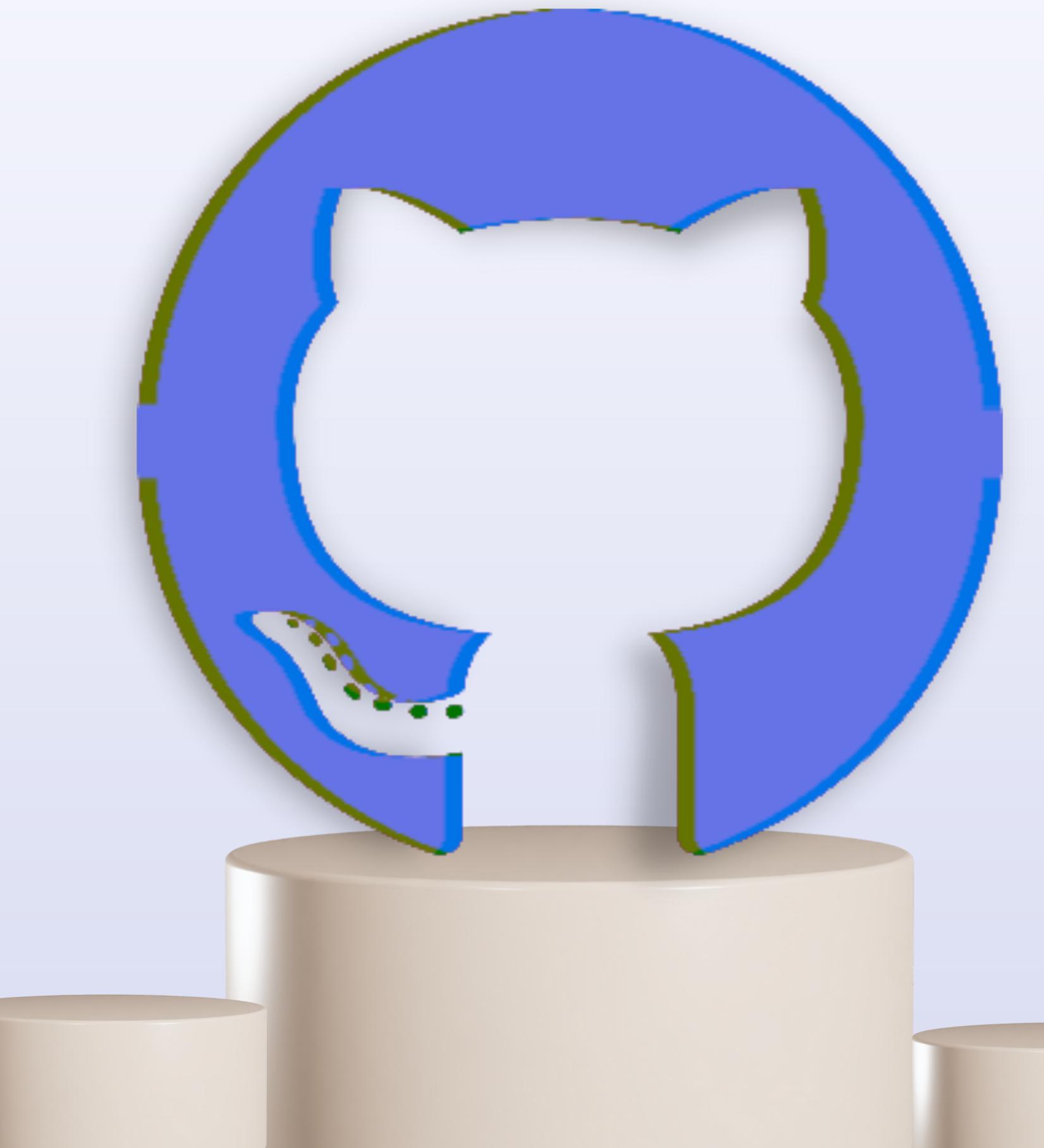
Removing commit from history of the project

- git reset hash_id

Delete file

- rm -rf hello.py

Introduction about GITHUB



Connecting Remote repository to Local Repository

- git remote add origin URL_copied_from_github

Check all repositories

- git remote -v

Pushing Local changes to Remote Repository-Refresh Github

- git push origin master

What are the Branches?

What is the use of Branches?

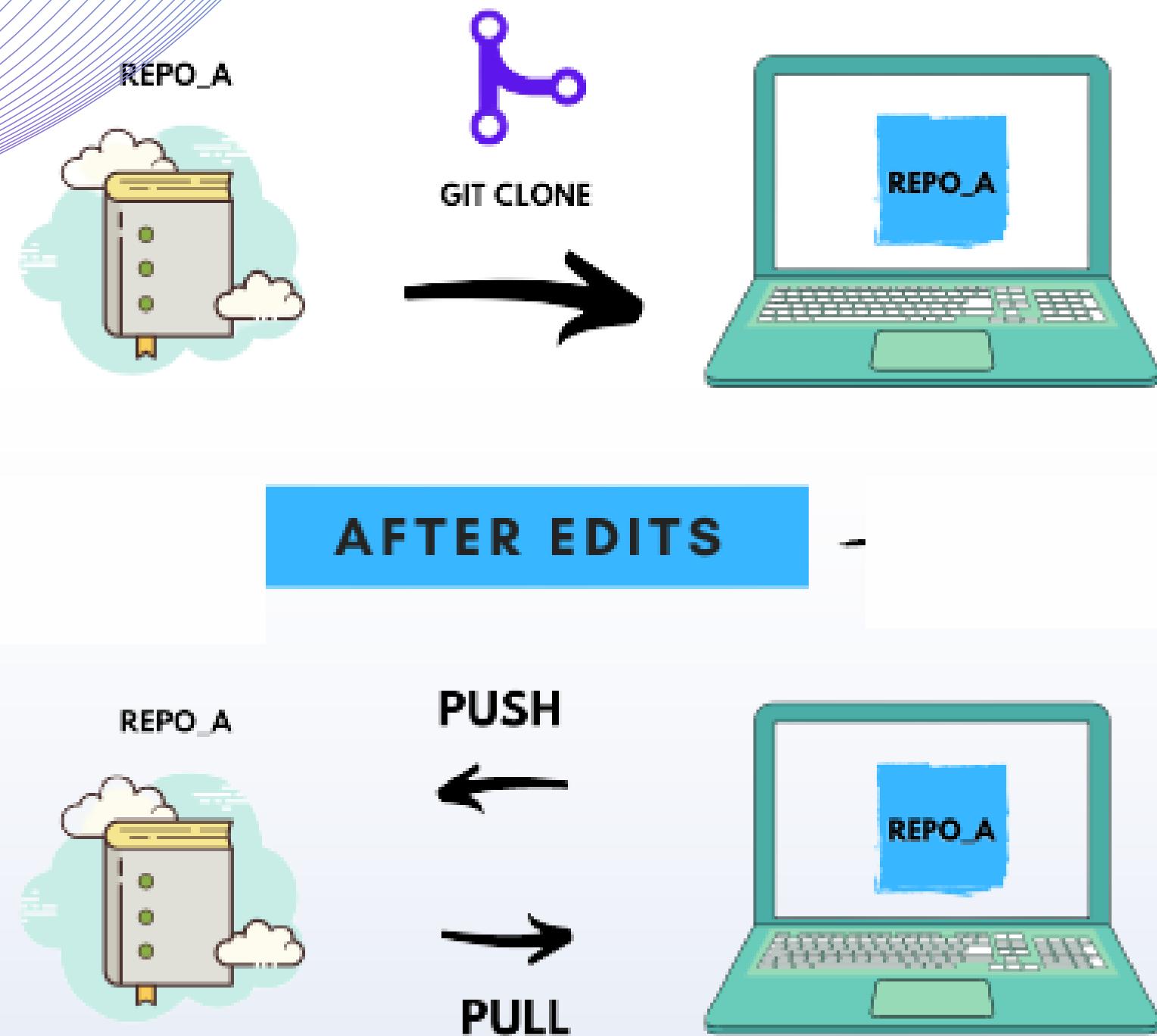
Making new branch and Switching to it -Visualization



1. What is Head ?
2. `git branch new_branch`
3. `git checkout new_branch`
4. `git commit`
5. `git merge new_branch`

Merging branch to Master

Working with existing projects on Github



What is Fork and How to Fork?

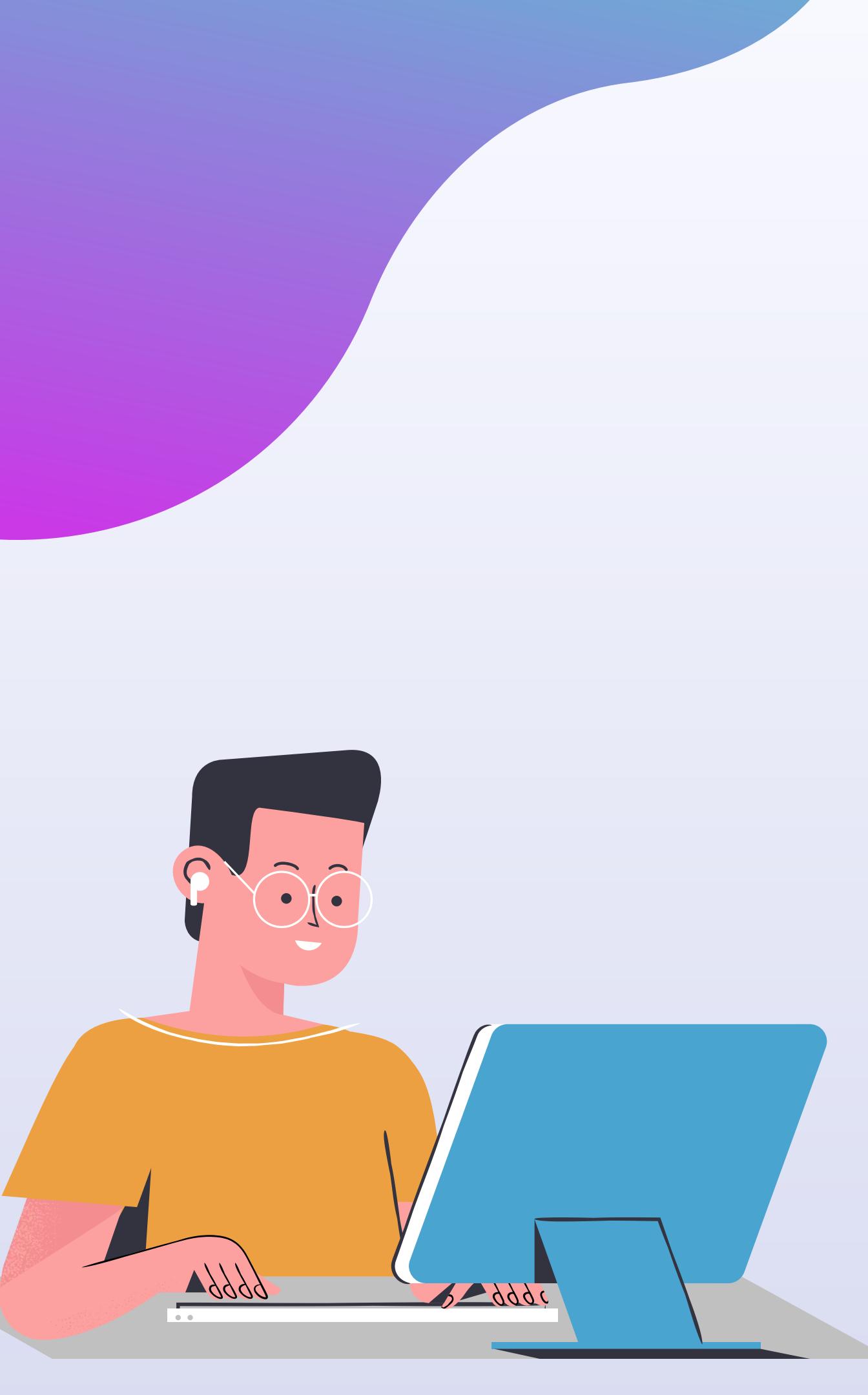
Cloning the Forked Project to Local

- git clone
copied_URL_from_personal_account

What is upstream ?

What is Pull Request ?

- Create new branch and checkout to that branch
- Add all changes and commit



Never commit on main branch & creating our first Pull Request

- git log
- git push origin new_branch

Merging pull request

Fetch upstream

What are the merge conflicts ?

How to find projects which are part of HactoberFest ?

How to do Open Source ?

Introduction about different open source programs

Connect With Me



Linkedin -

<https://www.linkedin.com/in/mahesh9340/>

GitHub -

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