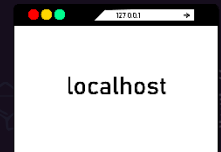


Today's Agenda

What is

How To

- Open Source
- Hacktober?
- Git?
- Github
- Work with Git?
- Collaborate with GitHub?
- Participate in Hacktoberfest?



What Is Open Source?

POPULAR

Linux

VLC Media Player

Mozilla Firefox

Python

AND MANY MORE...



Hacktoberfest 2022



DIGITALOCEAN AND HACKTOBERFEST



DIGITALOCEAN

DigitalOcean is a cloud hosting provider that offers cloud computing services and Infrastructure as a Service (IaaS)



HACKTOBERFEST

Hacktoberfest is an event hosted by DigitalOcean, a month-long celebration of open-source projects



GOAL

The goal is to promote, give back and contribute to open-source projects



2019



2020



2021

TWO WAYS TO PARTICIPATE



[Maintainer]

Maintains an open
source project



[Contributor]

Contributes to open
source project



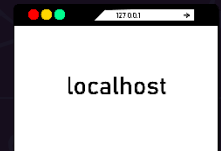
HACK
TOBER
FEST

Git and Github



Check if git is already installed from cmd
Command: `git version`

Installing Git
For windows: gitforwindows.org



Git is a popular
version control system
(VCS)

GitHub is a cloud-
based hosting service
that lets you manage
Git repositories

If you have open-
source projects that
use Git, then GitHub
is designed to help
you better manage them

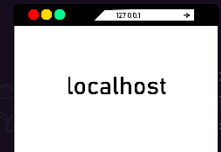
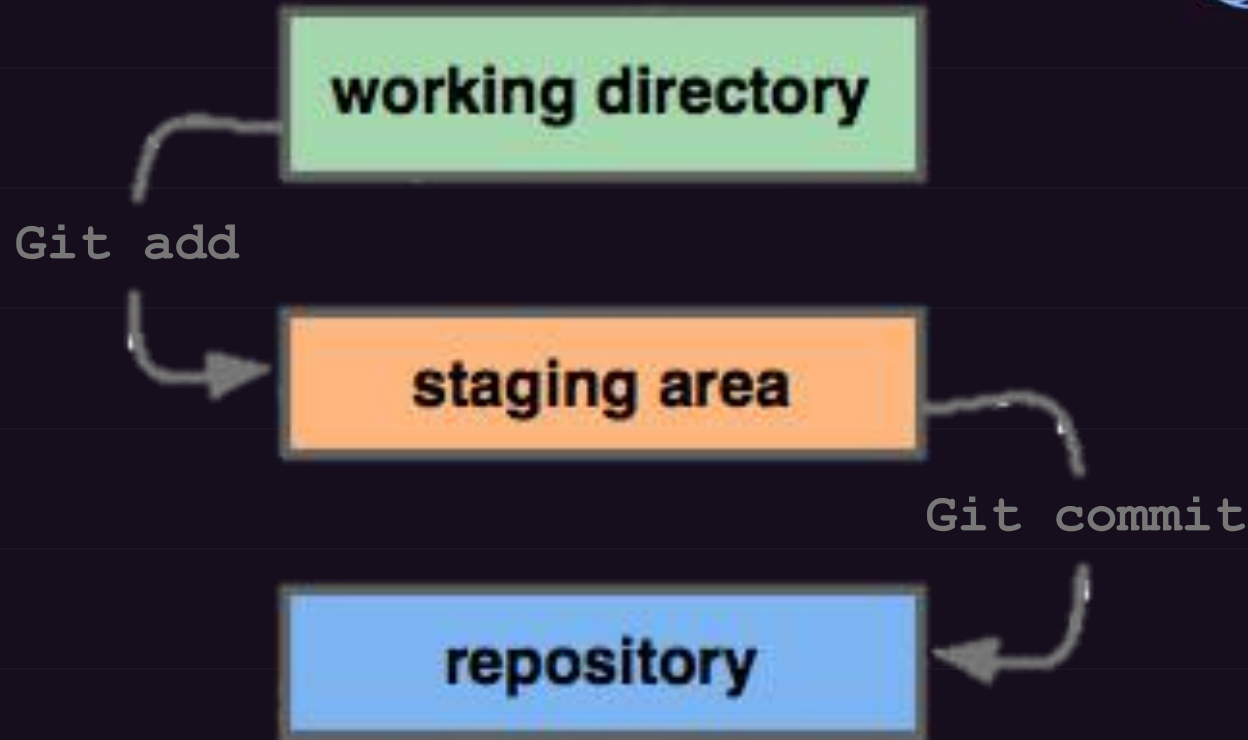
Local git version control

WORKING AREA

STAGING AREA

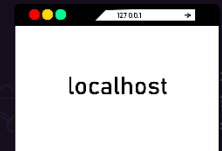
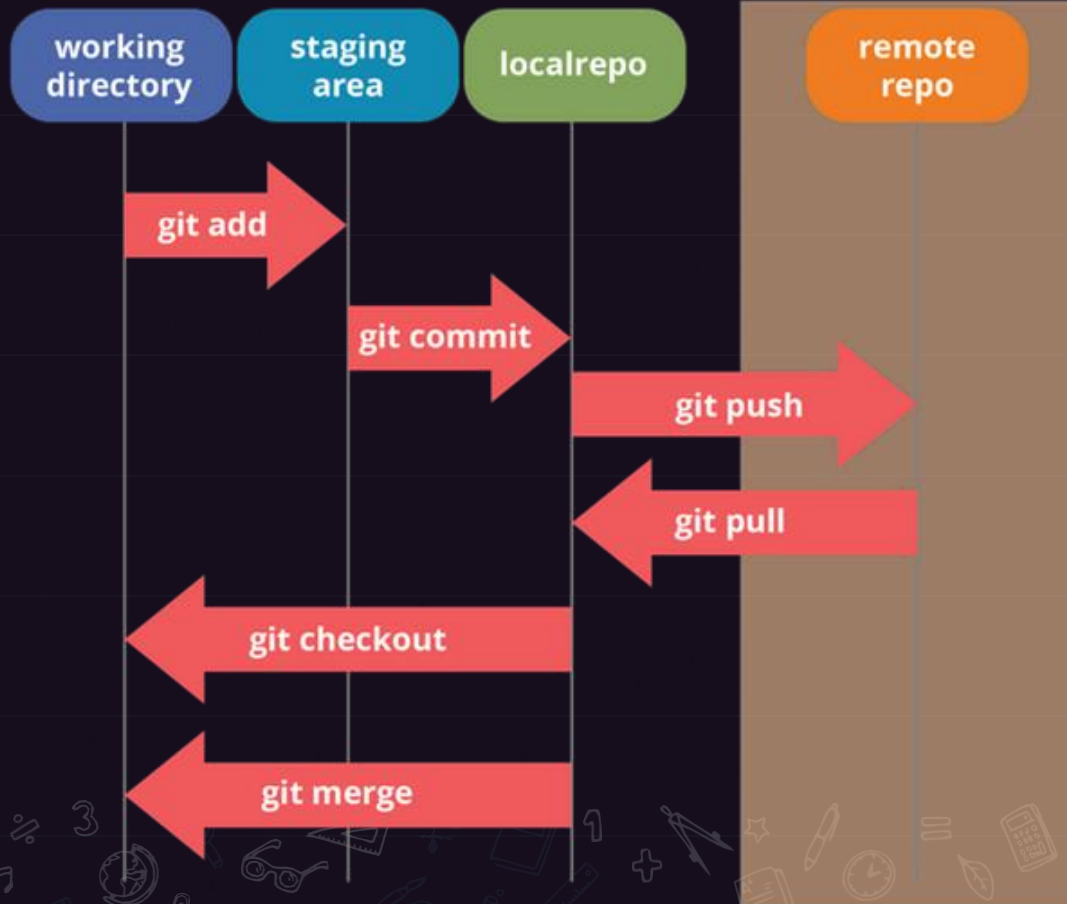
LOCAL
REPOSITORY





Local

Remote



Git Command



init



add



commit



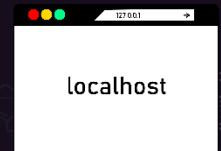
push



pull

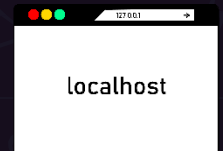


checkout



Github Repo Link

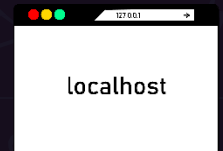
<https://github.com/IIIT-Pune/localhost>



Steps to create a pull request



1. Fork the repository to your github account
2. Open the forked repository
3. Click on code button and copy the link under https tab
4. Open command line and navigate to the area where you wish to create your local repository
5. `git clone your_copied_link`
6. `cd name_of_the_repo` (here `cd localhost`)



7. Create a new Branch:

```
git checkout -b branch_name
```

you can switch between branches by `git checkout branch_name`

8. For vs code enter (code .)without parenthesis and for atom use (atom .) to open the folder in your code editor

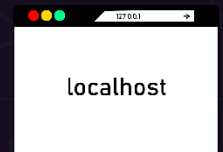
9. Create the file you wish to commit.

(Some ideas are given on the next slide)

10. To add files to the staging area:

```
git add .
```

Alternatively you can specify the file names you wish to add



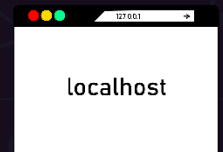
11. To check git status:
`git status`

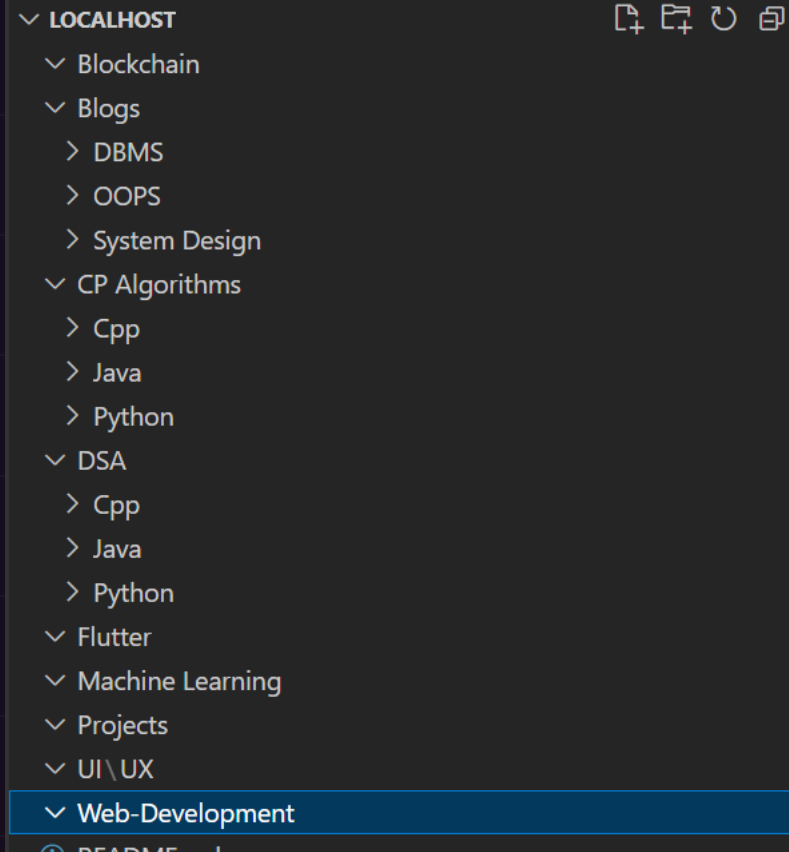
12. To commit changes:
`git commit -a -m"message"`

13. To push:
`git push origin branch_name`

14. Open github and create pull request

15. The repository owner will merge your pull request

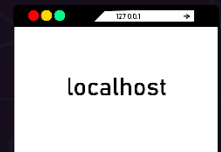


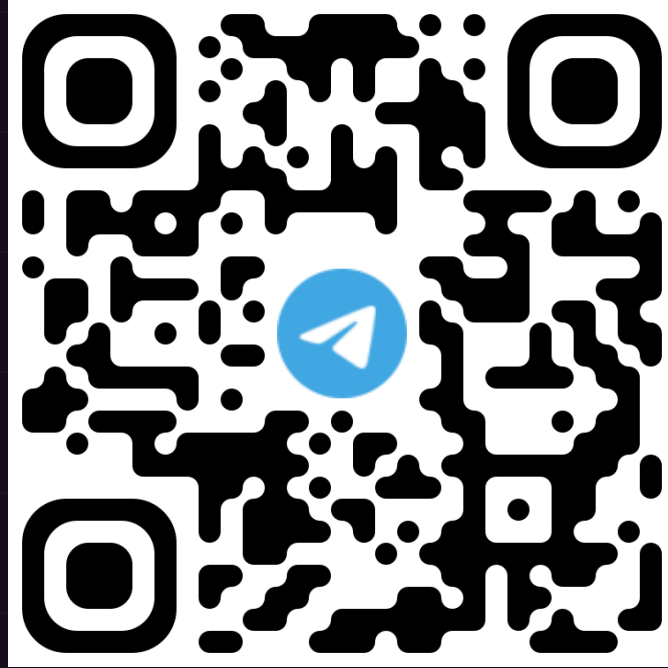


Ideas for folder
which you can
create to
contribute

Other Hacktoberfest Github Repositories where you can contribute

<https://github.com/topics/hacktoberfest>





Join our telegram group to be
the part of the community





Thanks
for listening

