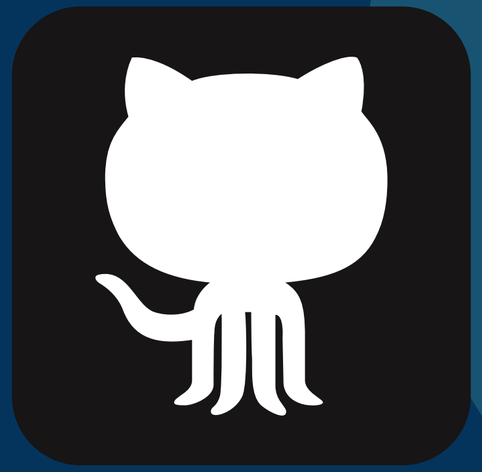
code like pro



GIT AND GITHUB

PRESENTED BY ARTH GUPTA

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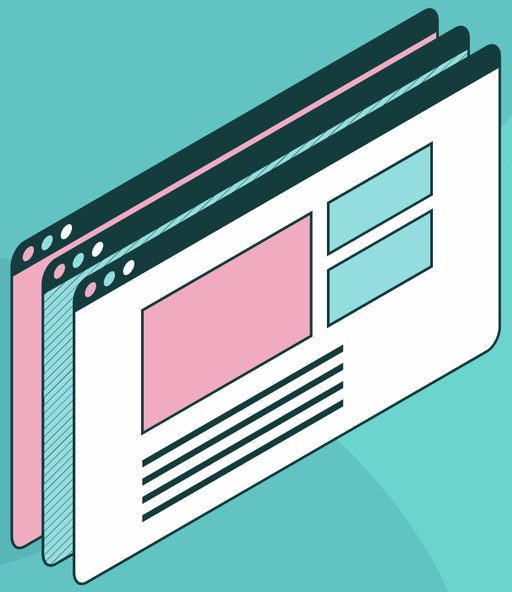

OUR MAIN TOPICS TODAY

Understanding through a example

Basic git and github defination

Common terminal codes

Live demo

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Suppose you want to cook a dish
After a lot of trial and error you
finally made first version of your dish

And what if you have a team
And everyone want to taste your
each version of your dish and want
improvise your dish by adding
ingredients to your master piece

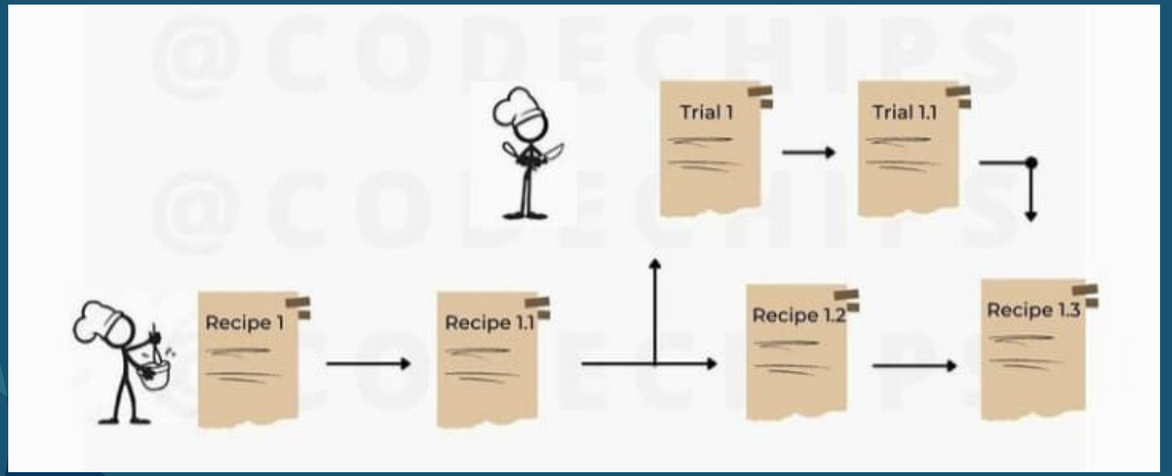
You want to improvise your dish
So you add few more ingredients
and makes second version of your
dish.
You are still not satisfied so you
made third version of your dish

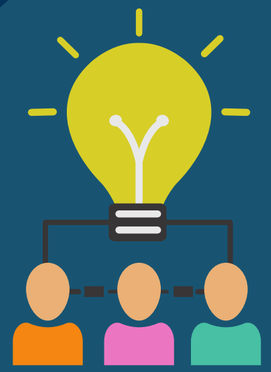
And now you notices everything is
messed up
Wouldn't it be great if you have a
time machine to go back to your
previous version if something goes
wrong.

SO HOW THIS EXAMPLE RELATES WITH GIT

git

So git is a distributed version control system which tracks the changes that you made, so you have a record of what have been done and you can revert back to the older version whenever you want.





BEFORE GIT AND GITHUB

Before git and github programmers use to keep their all different versions in separate folders which us not a efficient and manageable method.

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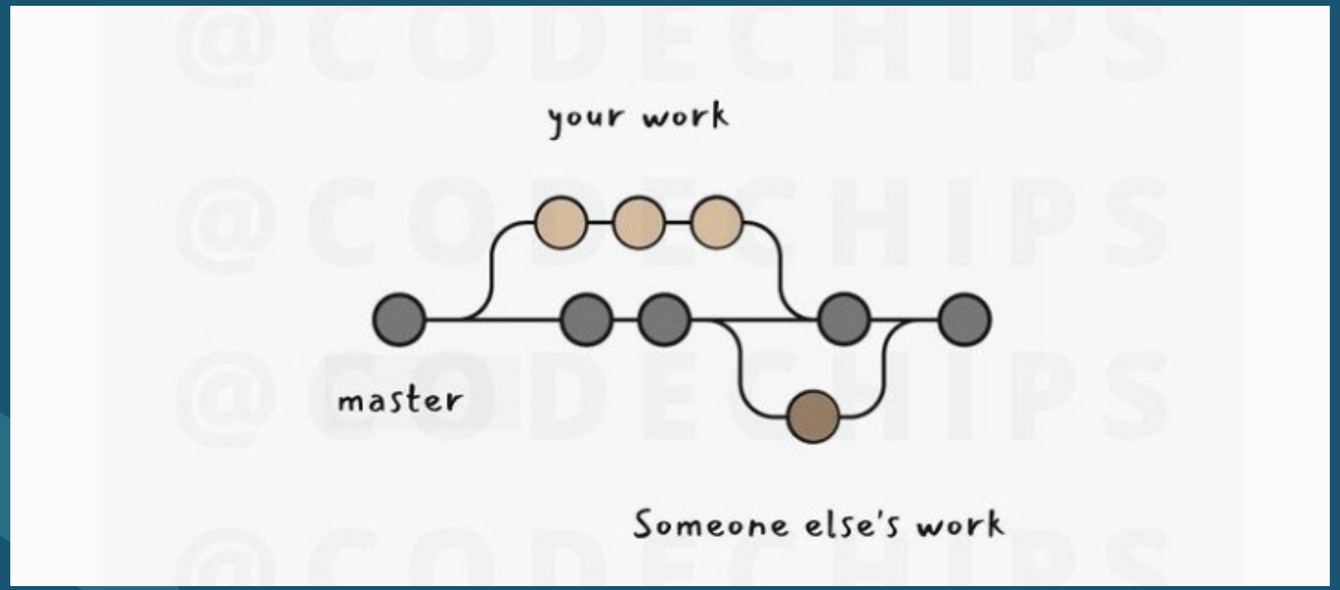
Git can automatically merge the changes, so two people can work on different parts of the same file and later merge those changes without loosing each others work.



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CONFIGURING CODE

git config --global user.name "your username"

git config --global user.email "your email"

ADDING THE CODE TO STAGING

git add .

FINALLY PUSHING THE CODE

git push

CLONING A REPOSITORY

git clone "link your repository"

ADDING MESSAGE

git commit -m "any message"

TO CHECK THE STATUS

git status

GITHUB

GitHub is a web-based version-control and collaboration platform for software developers. Microsoft, the biggest single contributor to GitHub, initiated an acquisition of GitHub for $7.5 billion in June, 2018. GitHub, which is delivered through a software-as-a-service (SaaS) business model, was started in 2008 and was founded on Git, an open source code management system created by Linus Torvalds to make software builds faster.

Git is used to store the source code for a project and track the complete history of all changes to that code. It allows developers to collaborate on a project more effectively by providing tools for managing possibly conflicting changes from multiple developers.

DEMO

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