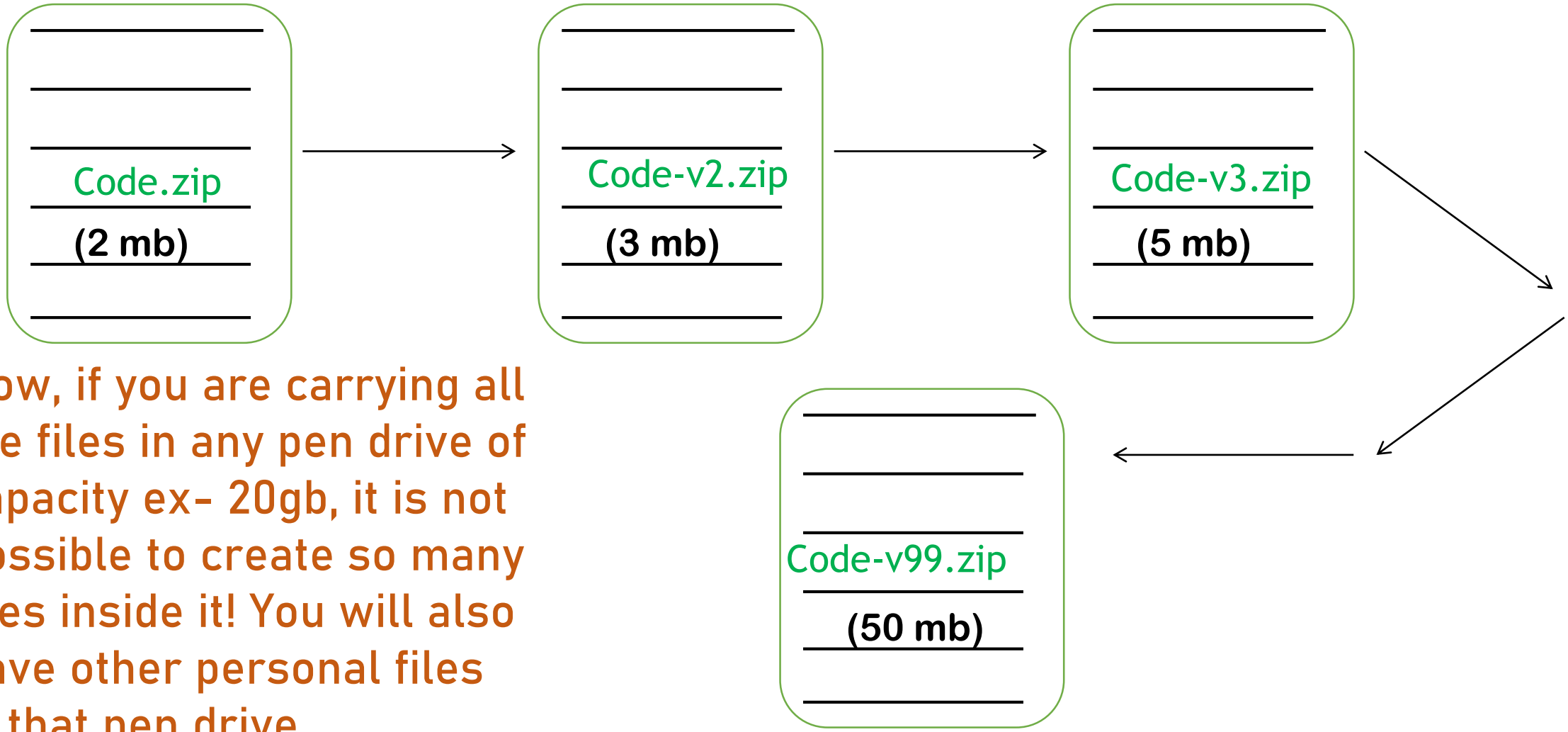
Git and GitHub tutorial with NOTES

-by OceanProgrammer

Long time ago...



Now, if you are carrying all the files in any pen drive of capacity ex- 20gb, it is not possible to create so many files inside it! You will also have other personal files in that pen drive

And in present time, we use git

Whenever any software or any website is being created, the owner of that application always keeps on pushing new changes in it to make it better.

For example- The PowerPoint we use in present date is much updated from the older ones. Do you remember how those old Office Apps looked like? If in today's date any **professional** gets OFFICE 2007 to work with, his working speed may decrease.

So, we can conclude that all software are always updating.

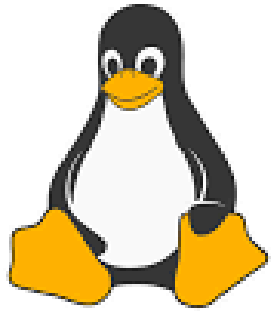
git

Why do we use git?

Git is a distributed version control system

- If you delete any file you can again get that file
- You can always get the previous version of the code

For example– If some kid comes to your house, and you leave your Laptop on (all files committed) and then the kid starts typing random things on keyboard then you will lose all your files. If you use git, you can easily recover the files.



Git provides you a terminal similar to Linux terminal. So it takes unix based commands.

Eg- ls, pwd, rm, rmdir, touch, fdisk etc.

Git

Git bash

Git GUI

Then why we use GitHub?

For some reason, a person gave his laptop to a kid and the kid took it to the terrace. Then the kid throws the laptop from the roof.

Now, all the data of the person is lost as the laptop's hard disk is broken...

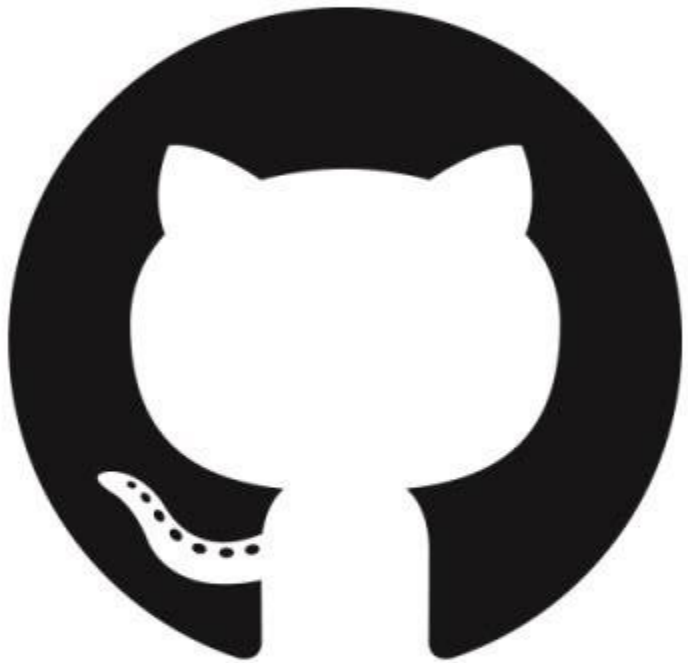
If we use GitHub, we can access the files and folders anywhere on the globe.

GitHub too supports free web hosting.

Then why not any kind of cloud storage or any server?

If for some reason the server gets damaged, data will be lost.

If we use distributed version control system, all developers will have a change log.



GitHub

...The end...

Make sure that you see the complete video of Git and GitHub. Kindly share these videos with your family and friends. This video contains a lot of efforts by me. If you haven't taken screenshots, don't panic. You will get all the notes in the video description or on my **GitHub** account :-)