

Date: _____
Page: _____

:- Git :-

Git is a Version Control System (VCS) for our files/Code.

It manages and controls version of our files/code.

Git is distributed VCS.

There are many other VCS out there but most popular is Git.

VCS's help us to :-

- i) keep track of what we are doing in files at what time.
- ii) If we want a file have a file & we have edited

it 5-6 times after its first initialization & now after that we need ~~that~~ that file which ~~we~~ we have created after 2nd ed 2nd edition of file Git gives us.

iii) > If we are doing a project ~~in~~ in which we have written some code to run program, ~~in~~ in 2-3 years we have updated it many times, but at some point we need some older version of that, then Git provides us that very easily.

Git also helps us in many other ways too.

:- GitHub :-

GitHub is source code hosting platform where, we can ~~see~~ share and collaborate in various projects.

We can pull & push codes from here very easily.

→ Installation of Git :-

Install Git for your Os from
git scm.com,

You can now use git from

i) git bash (terminal given by
git itself)

ii) power shell (terminal of
window)

but we prefer git bash as
it is more familiar with Linux
System.

If we know terminal program
always runs in ~~directly~~ directly.
So, it is useful if you have
separate directory/folder for

git, for example - project.

now, you can use `cd` Command to go to that directory.

OR you can just go in that folder/directory (here, project) and right click on mouse. then click git base here, then also your terminal opens in that directory.

now if you want to go in `c` directory write

```
cd /c
```

if you want to go to ~~an~~ a directory say (document) in `c` you can type

```
cd /c / document
```

6

To check in which directory you are now you can type

`Pwd`

Now, for any one project we choose one directory, always use terminal from that directory, use command like `Commit`, from that directory only.

Before using Git you have to tell Git who are you i.e. you have to give your username & email id to Git so that it ^{can} show who have committed or changes something in file.

To configure user name type

```
git config --global user.name  
"Anoj"
```

To configure user email id

```
git config --global user.email  
"Anoj 7870040353@gmail.com"
```

NOTE:- If you press ↑ (up arrow key) ~~last~~ it copies last command you have written.

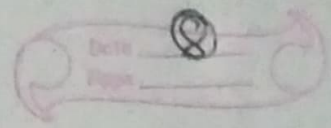
To zoom screen

Ctrl + +

To zoom out

Ctrl + -

git config --global user.name "



If you want to see your user name type

git config user.name

for email

git config user.name

As we know git has a feature of commit if you commit in git, means it takes snapshot of that state of your project and save it in git ~~library~~ (repository).

Now, it can be helpful if you made some development ~~from~~ in that project but that cause some error and you want to fall back to your previous working state then you can ~~go~~ use that