① Step

→
```
git --verision
```

→ email
```
git config --global user.name "  "
```

check → email
```
git config --global user.name
```

edit →
```
git config --global --edit
```

mkdir →
```
mkdir DictaroryNameNew
```

make repo In folder →
```
git init
```

see all files In dir → →
```
ls -a
```

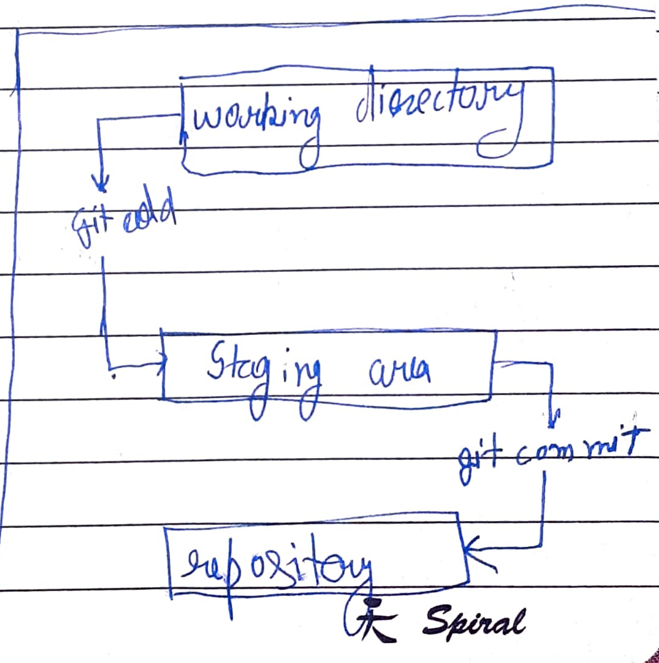
2nd step

Make file like .java, .py, .cpp, .c write something

what changes do in file →
```
git status
```

→ file name
```
git add saum.java
```

→ message
```
git commit -m "initial commit"
```



Date ....

~~how~~ many
→
commit do   git log

~~ctrl+K/~~
→

clear   ctrl + K /clear
→
terminal

Terminal
→
for autocomplete → fish shell

~~for~~
all files
→   git add .   → the commit.
In staging
area

"   "

go back past
→   git checkout <commit hash code / branch name
In commits.

go back
→   git checkout master.
main commit

Spiral

Step 3 branch

Date ....

make branch → git branch dev ↗ branch name

check branches → git branch

switch to dev branch → git checkout dev

→ best way is make branch under dev branch there name is same as feature.

direct way to make branch and also checkout → git checkout -b authorname/multiple ↑ feature

if we need to marge multiple brach with dev branch → git merge authorname/multiple

*

but Here we are checkout in dev branch.

also do for d master branch in master.

Date ....

⇒ if we want to git do not track our some secret files and folder then we make a get ignore file and there we write the name of all those files which we hide from git and git do not track and also we ~~too~~ add git ignore file it self into gitignore file

→ touch .gitignore

and

→ make drict file name .gitignore.

```
.gitignore
secertKey.txt
.gitignore.
```

Spiral

github

① → new repo

2 → Name same ase your folder name

Descripition – "Learing git"

then create.

3 → or push an existing repository from the command line

check where are push goes → git remote -v   fetch → / push → where.

any name but recomended is origin

↑

→ git remote add origin https://githup.com/ ---

→ git branch -M master

✡ ↳ basically when we want to ~~go~~ send our 1st branch as a master/main branch then we rename it other wise leave it

✡ → Key chain access

→ add your username and password of github

push code → `git push -u origin master`

Same process for push other branches.

also after that we simple push

→ `git push`

if we want to push our dev branch → `git checkout dev`

`git push / git push -u origin dev`

collaboration

Date ....

If we want multiple people in one project the we have two ways

→ open source that repo.

→ add collaborater

→ settings → manage access → invite a collaborate.

→ then collaborater → clone the repo

↘ access of this repo

↙ drictly push changes

open source contribution.

① → go to that user account where we want to contribute.

② → find dricatory

3 → Here we not clone it we ~~so~~ just fork.

Spiral

In fork -> remote copy of ~~rem~~ that ~~o~~ repo also included(created) in our github.

-> click top right fork button

Now we have want that repo in our local

then click on -> code

-> copy HTTPS

-> cd .. -> becaise we don't want to make clone in alreaady cretaed repo so ~~g~~ we go back in main folder.

-> git clone < repo url >

learn vim editing.

for check what changes done. -> cat filename

Date ....

→ git add Redme.md

→ git commit -m "readme.md updated'.

→ git push.

→ Now pull request make. in github.

→ click on contribute

→ open pull request

→ create pull request

→ write a message

→ create pull request

It goes to author.

↓

~~marge~~ pull request

↓

file change

↓

Review hanges

↓

message looks good

⊙ Approve

then I will marge it means authar marge it

this is in conversation option.