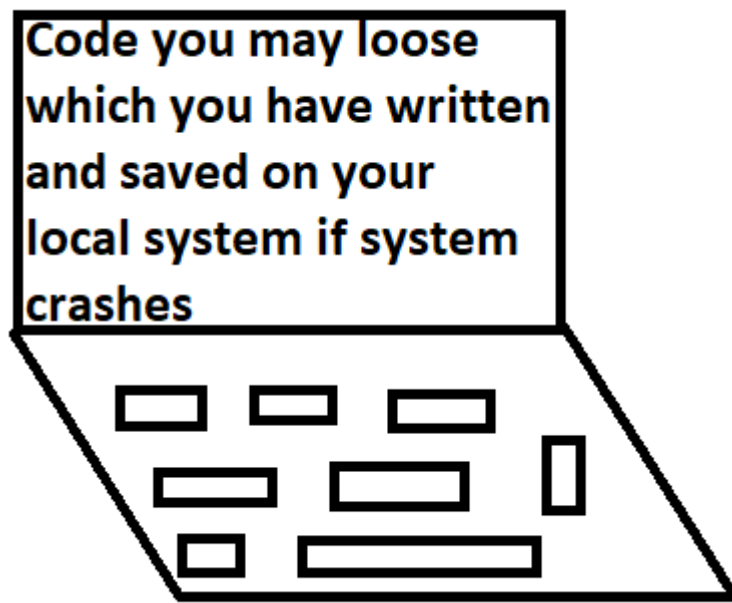


Q. What is git?

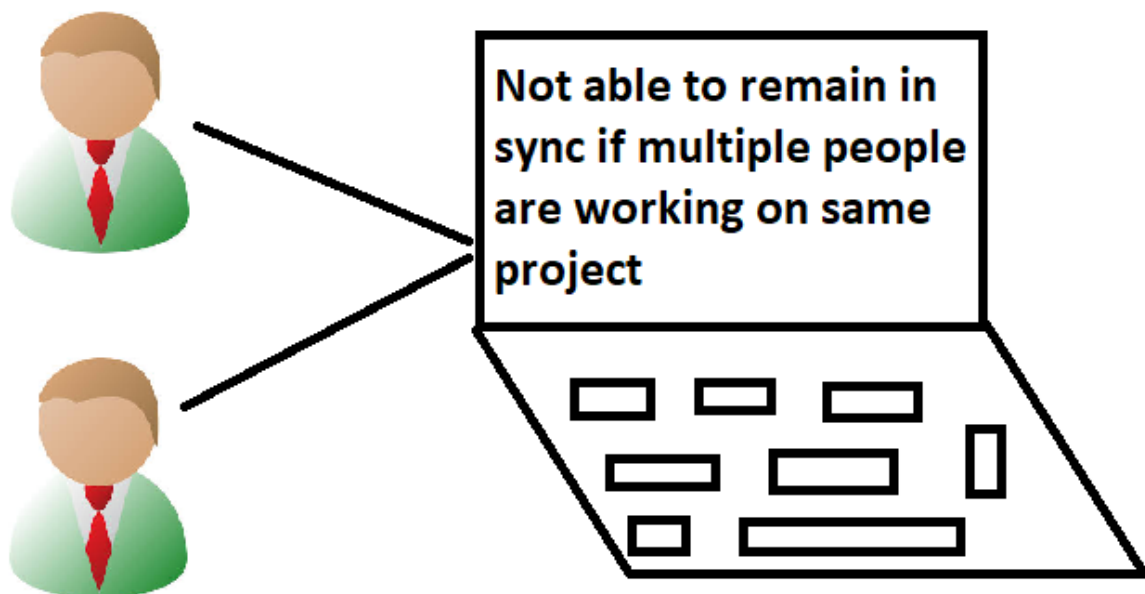
A. git is a version control system.

Q. Why we need version control system?

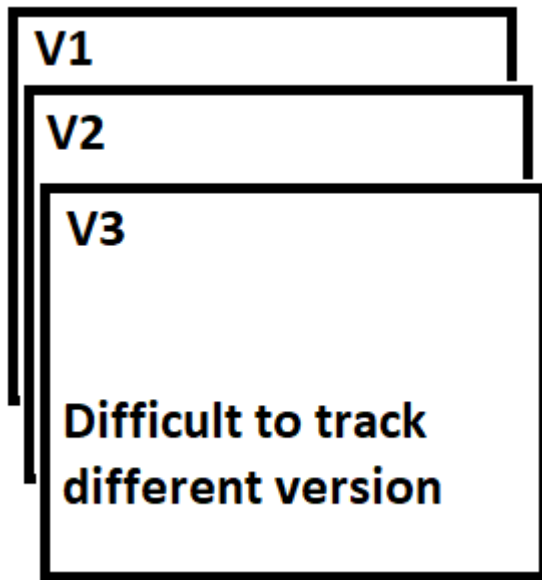
A. 1.



2.

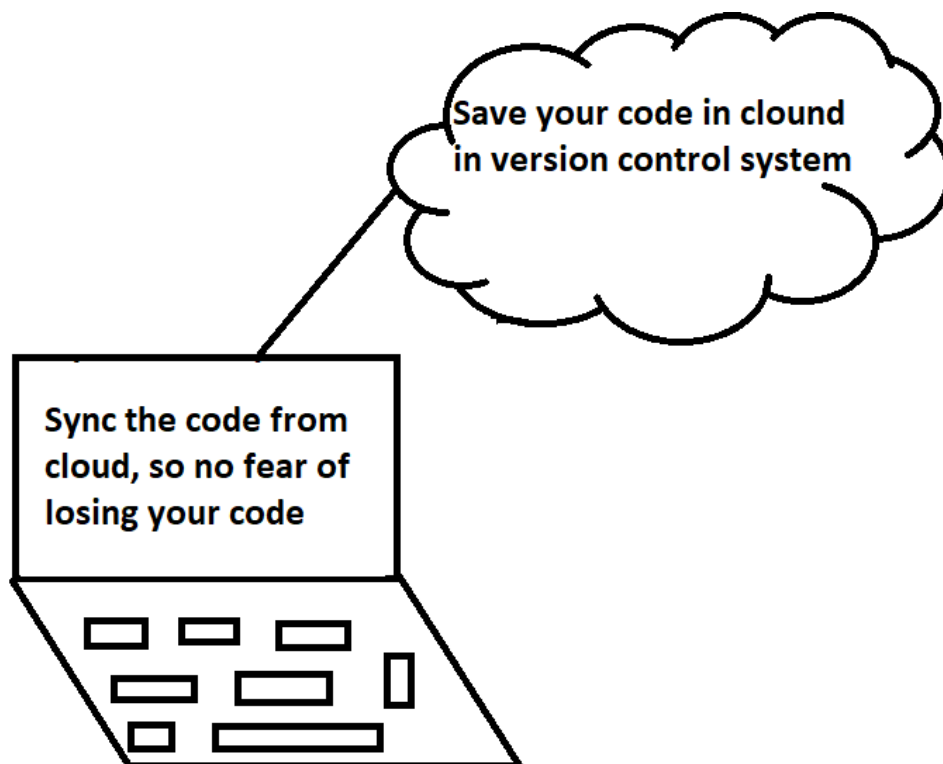


3.

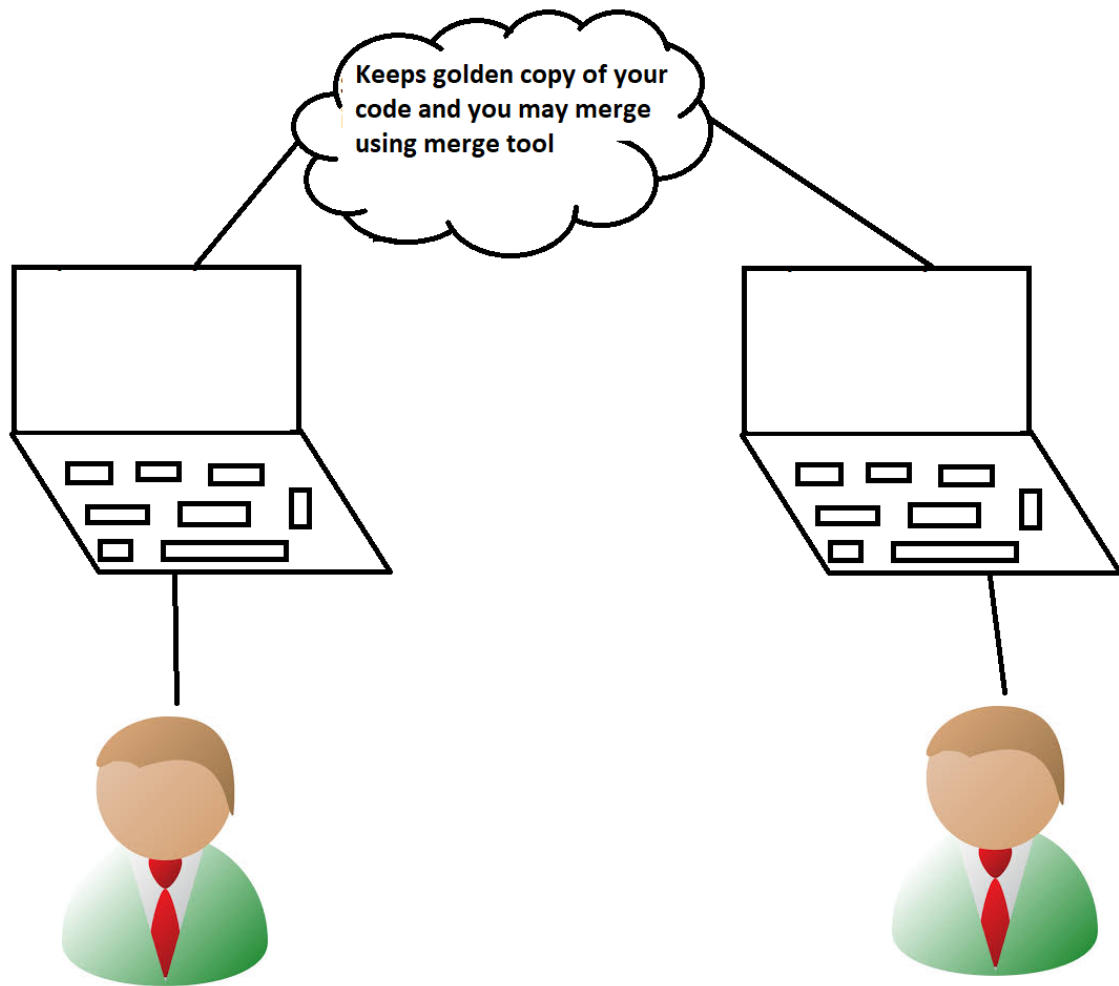


Solution

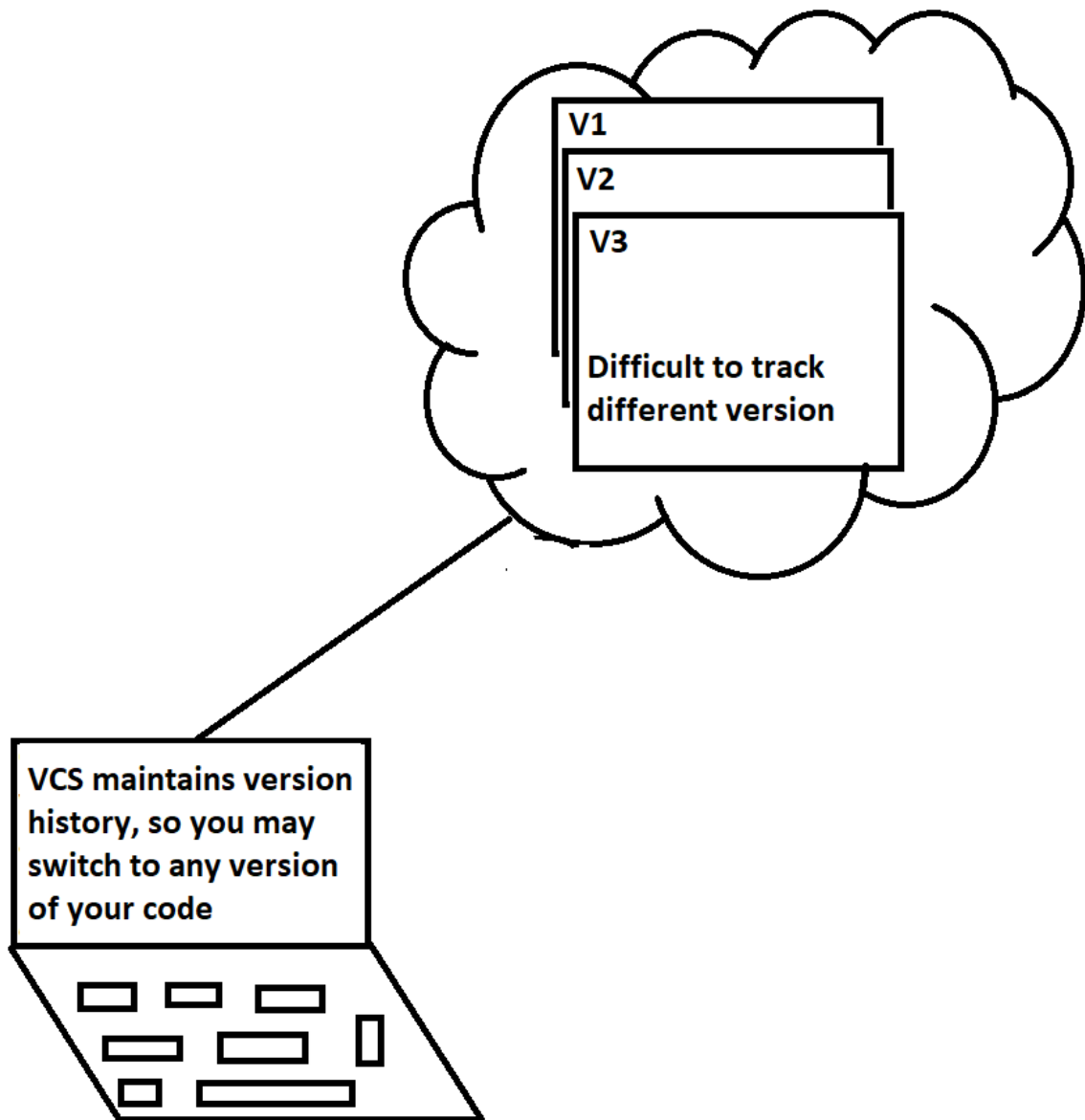
1.



2.



3.



Different version control system available in the market



Git is by far most used version control system, Why?

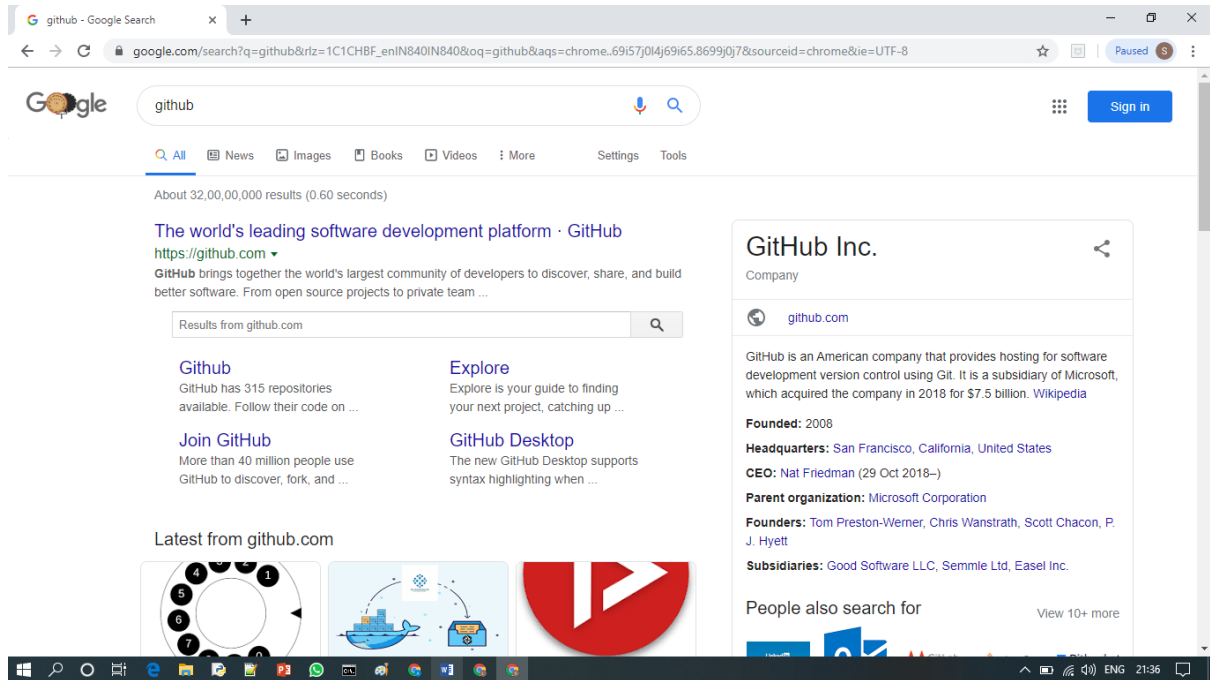
1. It is distributed version control system.
2. Github, most used website for code hosting is powered by git.

What is Git Hub?

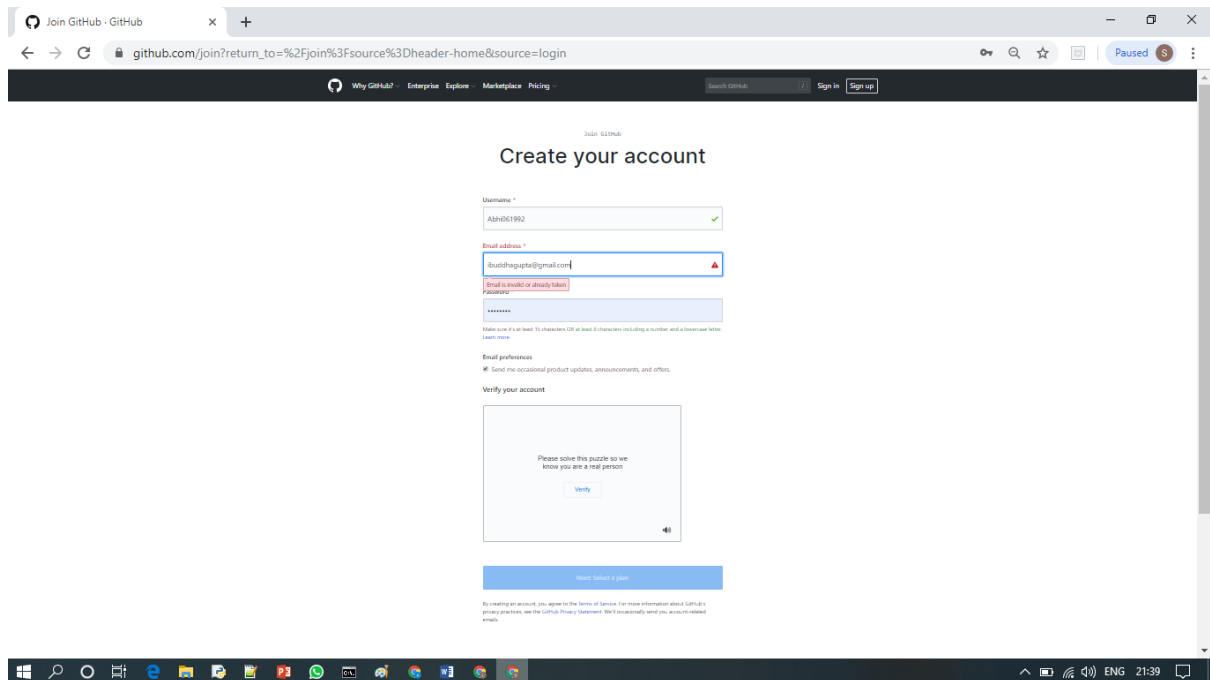
1. It is a website which allows you to store your code in cloud.
2. It is a full version control system powered by git.

Create an account on github

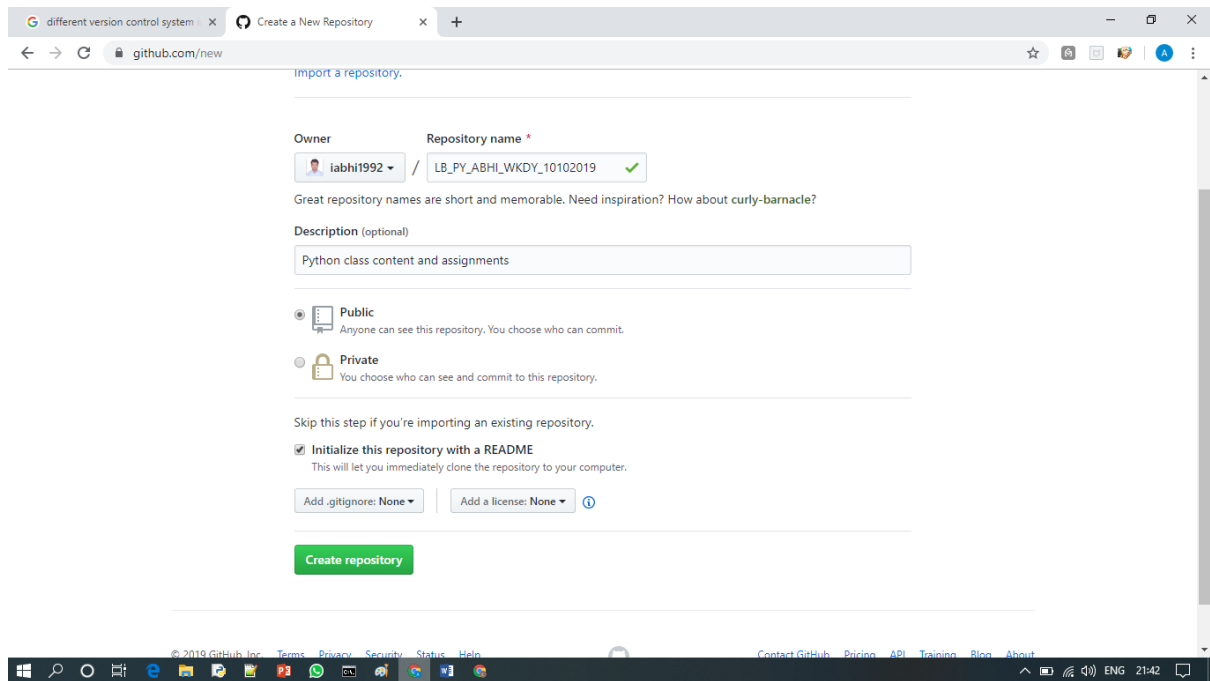
1.



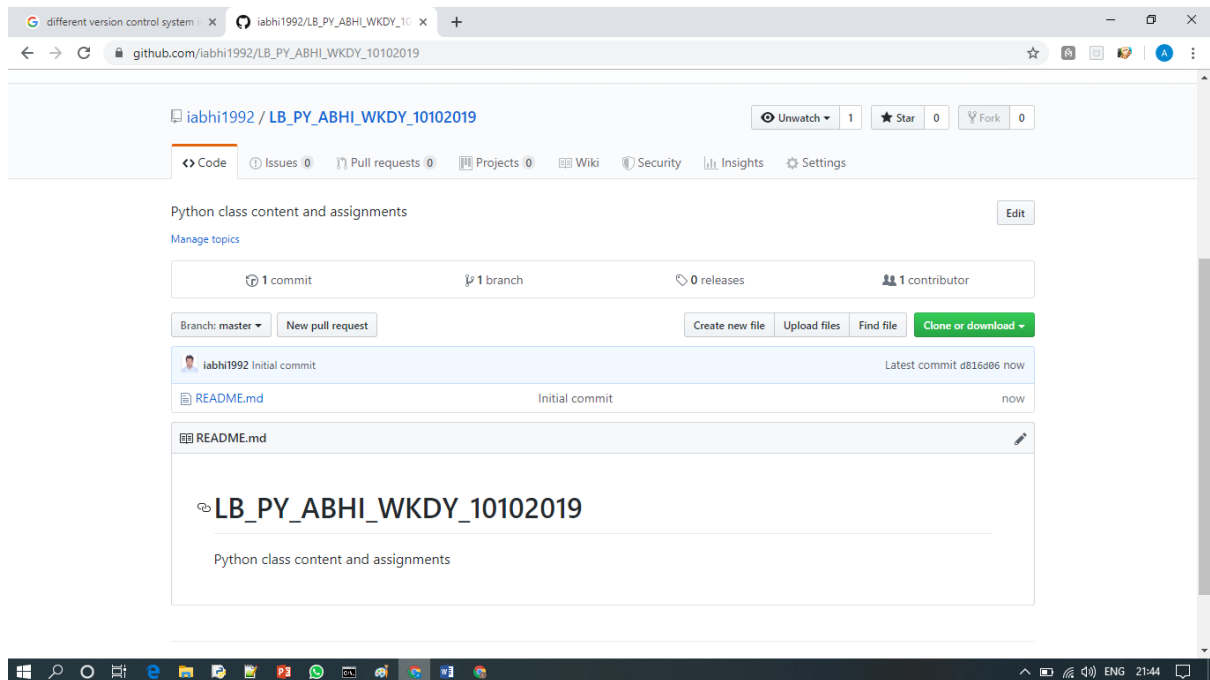
2.



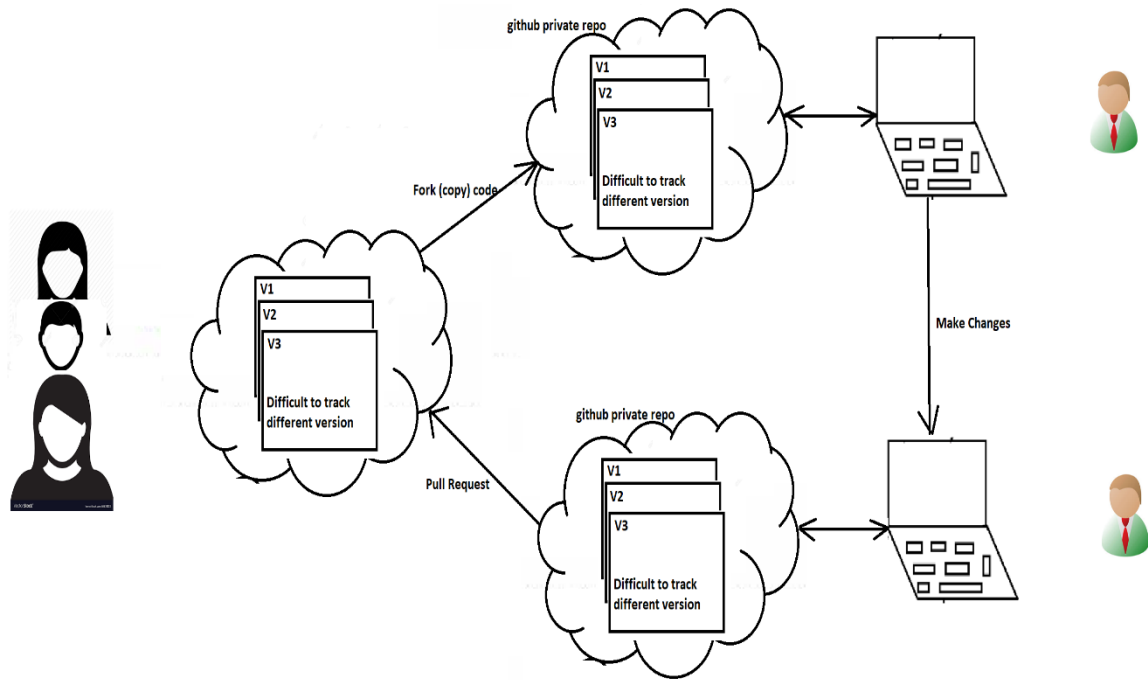
3. Create new repository



4.



Must know



Issues

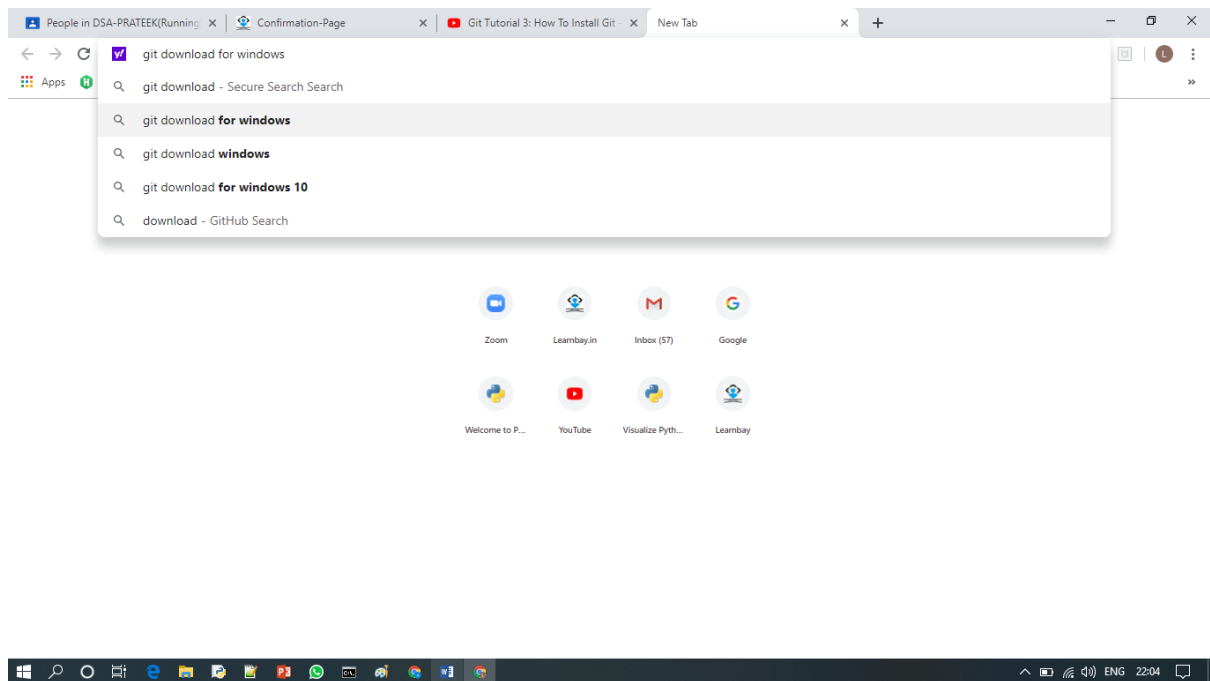
Wiki

Pulse

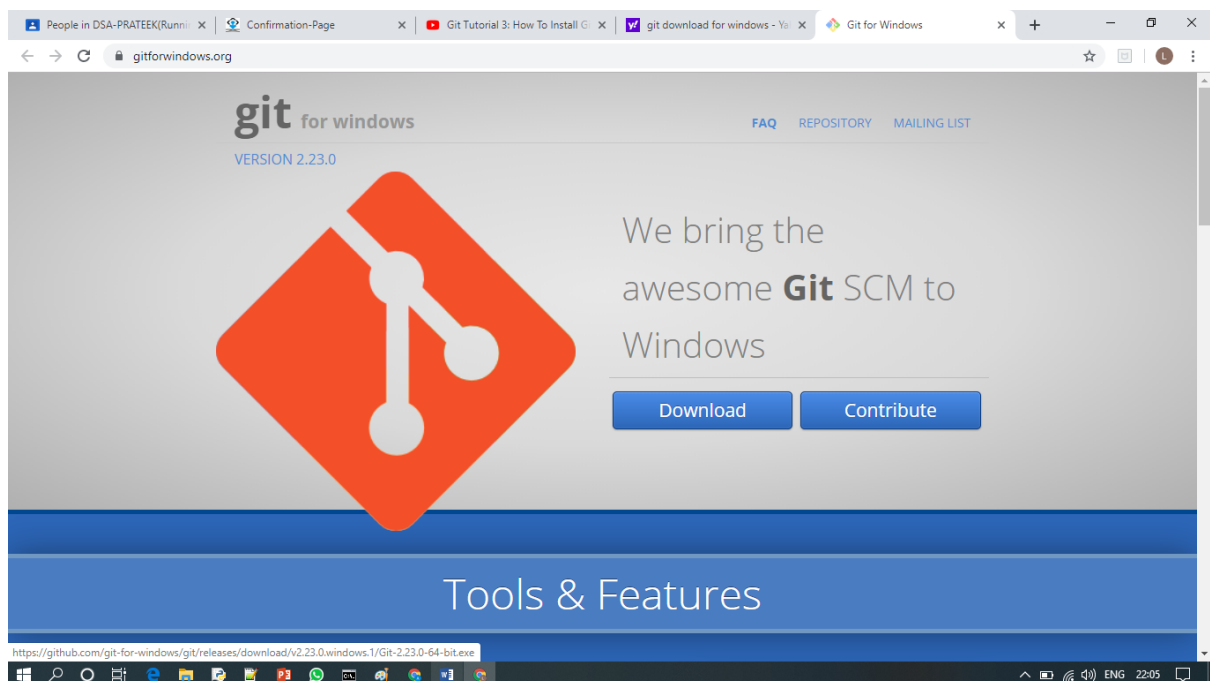
Graph

Installing git on windows

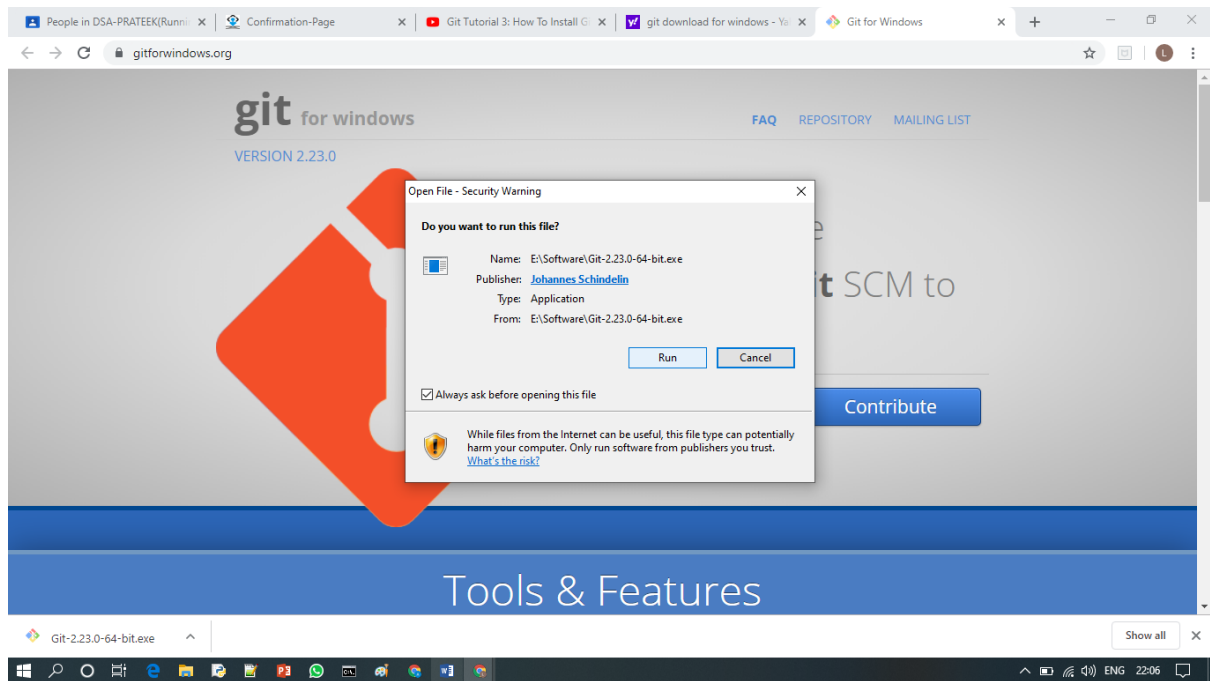
1.



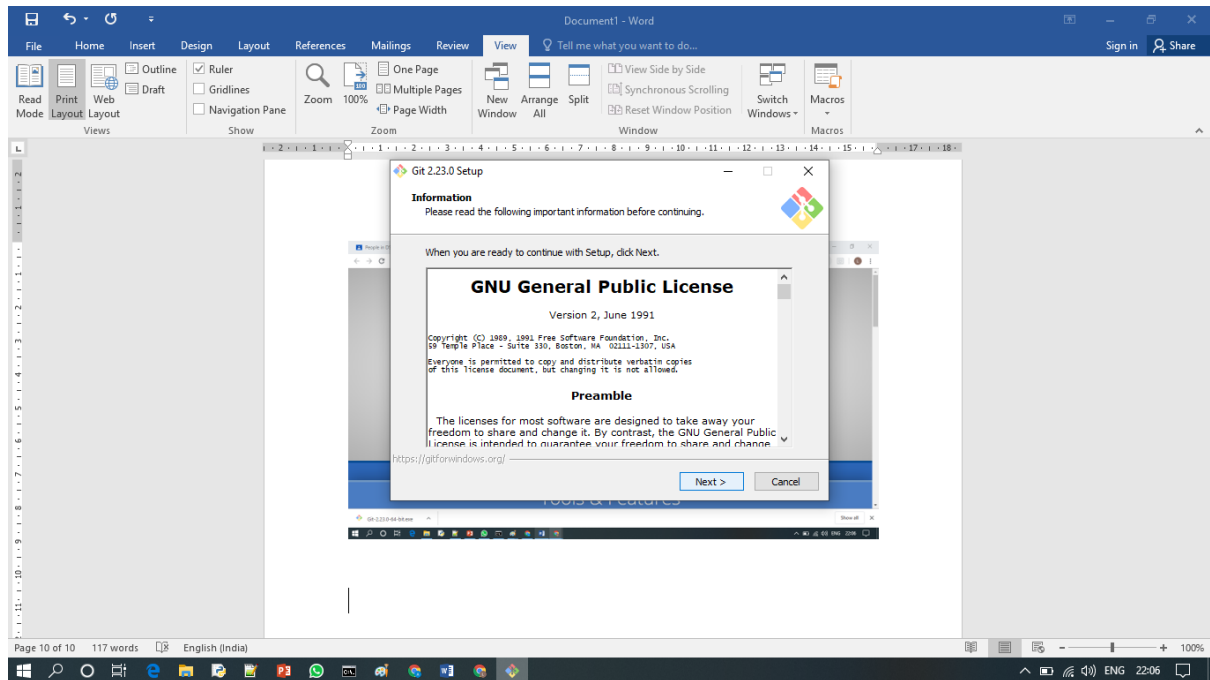
2.



3.



4.



After installation type git command from git bash

```
MINGW64/c/Users/Learnbay
Learnbay@LAPTOP-410HFKUK MINGW64 ~
$ git
usage: git [--version] [--help] [-C <path>] [-c <name>=<value>]
        [--exec-path=<path>] [--html-path] [--man-path] [--info-path]
        [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]
        [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
        <command> [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)
  clone      Clone a repository into a new directory
  init       Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)
  add        Add file contents to the index
  mv         Move or rename a file, a directory, or a symlink
  restore    Restore working tree files
  rm         Remove files from the working tree and from the index

examine the history and state (see also: git help revisions)
  bisect     Use binary search to find the commit that introduced a bug
  diff       Show changes between commits, commit and working tree, etc
  grep       Print lines matching a pattern
  log        Show commit logs
  show       Show various types of objects
  status     Show the working tree status

grow, mark and tweak your common history
  branch     List, create, or delete branches
  commit     Record changes to the repository
  merge      Join two or more development histories together
  rebase     Reapply commits on top of another base tip
  reset      Reset current HEAD to the specified state
  switch     Switch branches
  tag        Create, list, delete or verify a tag object signed with GPG

collaborate (see also: git help workflows)
  fetch      Download objects and refs from another repository
  pull       Fetch from and integrate with another repository or a local branch
  push       Update remote refs along with associated objects

'git help -a' and 'git help -g' list available subcommands and some
concept guides. See 'git help <command>' or 'git help <concept>'
to read about a specific subcommand or concept.
See 'git help git' for an overview of the system.

Learnbay@LAPTOP-410HFKUK MINGW64 ~
$ ^C
```

Launching git bash from cmd

```
Command Prompt
C:\Users\Learnbay>git
usage: git [--version] [--help] [-C <path>] [-c <name>=<value>]
        [--exec-path=<path>] [--html-path] [--man-path] [--info-path]
        [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]
        [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
        <command> [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)
  clone      Clone a repository into a new directory
  init       Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)
  add        Add file contents to the index
  mv         Move or rename a file, a directory, or a symlink
  restore    Restore working tree files
  rm         Remove files from the working tree and from the index

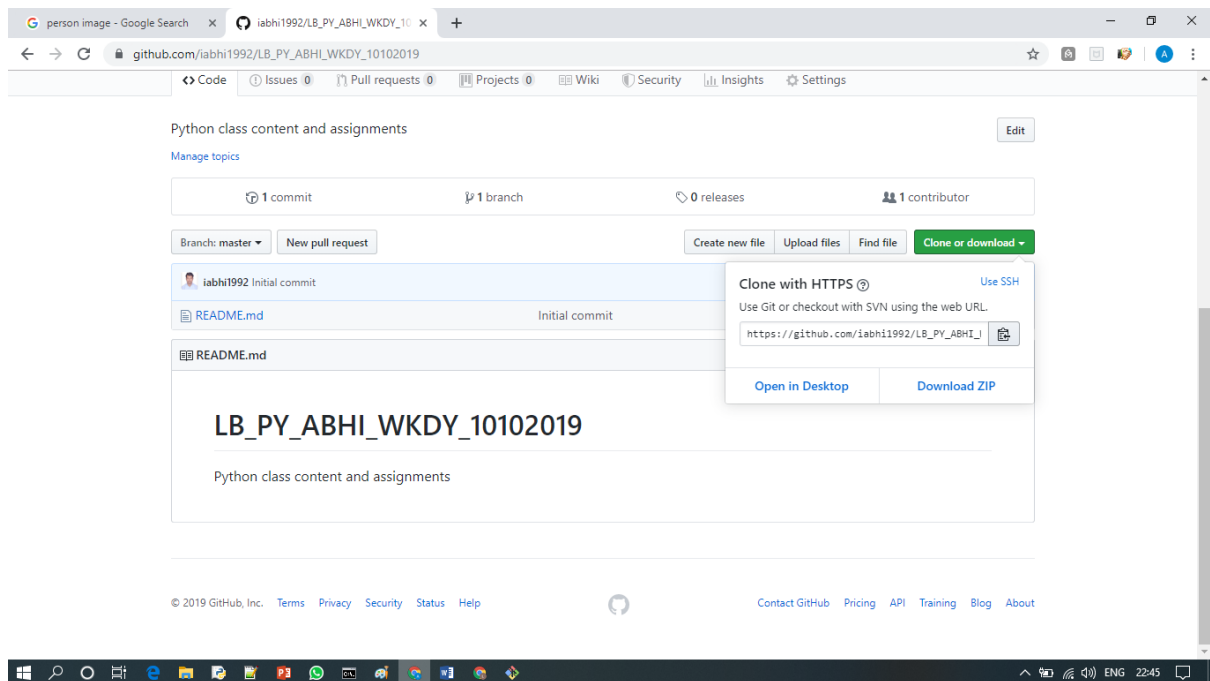
examine the history and state (see also: git help revisions)
  bisect     Use binary search to find the commit that introduced a bug
  diff       Show changes between commits, commit and working tree, etc
  grep       Print lines matching a pattern
  log        Show commit logs
  show       Show various types of objects
  status     Show the working tree status

grow, mark and tweak your common history
  branch     List, create, or delete branches
  commit     Record changes to the repository
  merge      Join two or more development histories together
  rebase     Reapply commits on top of another base tip
  reset      Reset current HEAD to the specified state
  switch     Switch branches
  tag        Create, list, delete or verify a tag object signed with GPG

collaborate (see also: git help workflows)
  fetch      Download objects and refs from another repository
  pull       Fetch from and integrate with another repository or a local branch
  push       Update remote refs along with associated objects

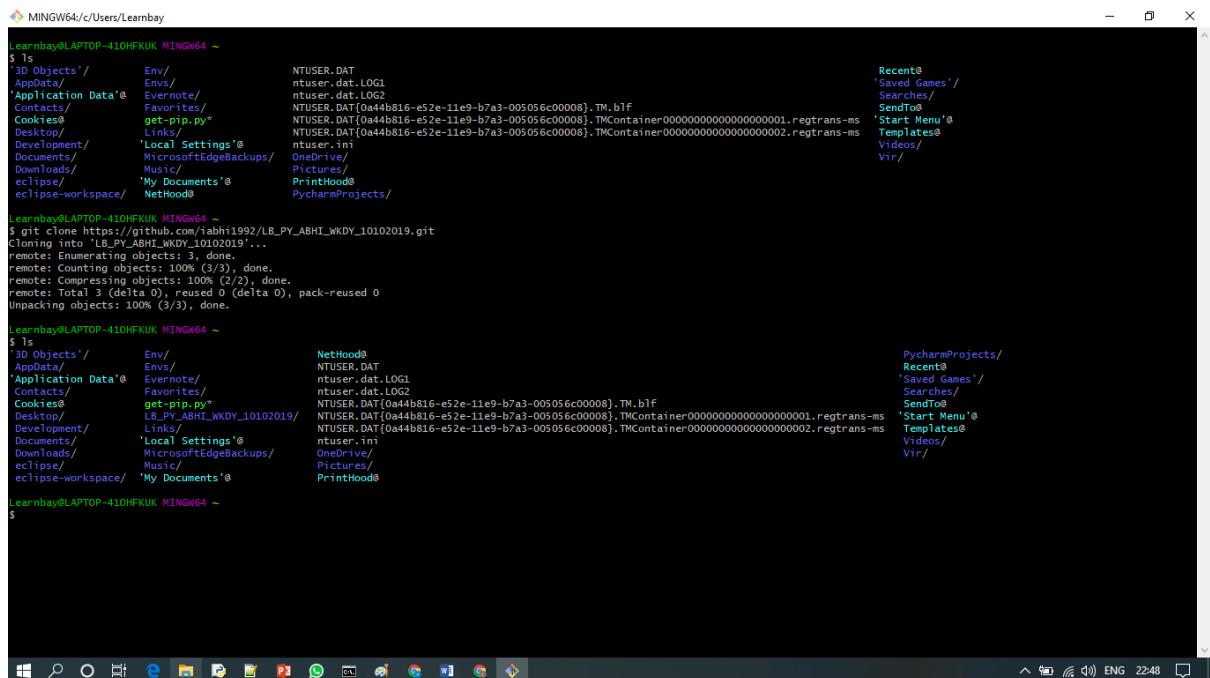
'git help -a' and 'git help -g' list available subcommands and some
concept guides. See 'git help <command>' or 'git help <concept>'
to read about a specific subcommand or concept.
```

Cloning the repo



git clone <copied link from git hub>

then ls and cd to folder



```
MINGW64/c/Users/Learnbay/LB_PY_ABHI_WKDY_10102019

Learnbay@LAPTOP-410HFKUK MINGW64 ~
$ ls
'3D Objects'/' Env/ NTUSER.DAT Recent@
AppData/' Envs/ ntuser.dat.LOG1 'Saved Games'/'
'Application Data'@ Evernote/ ntuser.dat.LOG2 Searches/
Contacts/ Favorites/ NTUSER.DAT{0a44b816-e52e-11e9-b7a3-005056c00008}.TM.b1f SendTo@
Cookies@ get-pip.py" NTUSER.DAT{0a44b816-e52e-11e9-b7a3-005056c00008}.TM.Container00000000000000000001.regtrans-ms 'Start Menu'@
Desktop/ Links/ NTUSER.DAT{0a44b816-e52e-11e9-b7a3-005056c00008}.TM.Container00000000000000000002.regtrans-ms Templates@
Development/ 'Local Settings'@ ntuser.ini Pictures/ Videos/
Documents/ MicrosoftEdgeBackups/ OneDrive/ Vir/
Downloads/ Music/ PrintHood@
eclipse/ 'My Documents'@
eclipse-workspace/ NetHood@ PycharmProjects/

Learnbay@LAPTOP-410HFKUK MINGW64 ~
$ git clone https://github.com/iabhi1992/LB_PY_ABHI_WKDY_10102019.git
Cloning into 'LB_PY_ABHI_WKDY_10102019'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.

Learnbay@LAPTOP-410HFKUK MINGW64 ~
$ ls
'3D Objects'/' Env/ NetHood@ PycharmProjects/
AppData/' Envs/ NTUSER.DAT Recent@
'Application Data'@ Evernote/ ntuser.dat.LOG1 'Saved Games'/'
Contacts/ Favorites/ ntuser.dat.LOG2 Searches/
Cookies@ get-pip.py" NTUSER.DAT{0a44b816-e52e-11e9-b7a3-005056c00008}.TM.b1f SendTo@
Desktop/ LB_PY_ABHI_WKDY_10102019/ NTUSER.DAT{0a44b816-e52e-11e9-b7a3-005056c00008}.TM.Container00000000000000000001.regtrans-ms 'Start Menu'@
Development/ Links/ NTUSER.DAT{0a44b816-e52e-11e9-b7a3-005056c00008}.TM.Container00000000000000000002.regtrans-ms Templates@
Documents/ 'Local Settings'@ ntuser.ini Pictures/ Videos/
Downloads/ MicrosoftEdgeBackups/ OneDrive/ Vir/
eclipse/ Music/ PrintHood@
eclipse-workspace/ 'My Documents'@ PycharmProjects/

Learnbay@LAPTOP-410HFKUK MINGW64 ~
$ cd LB_PY_ABHI_WKDY_10102019
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ ls
README.md
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$
```

git status

```
MINGW64/c/Users/Learnbay/LB_PY_ABHI_WKDY_10102019

Learnbay@LAPTOP-410HFKUK MINGW64 ~
$ ls
'3D Objects'/' Env/ NetHood@ PycharmProjects/
AppData/' Envs/ NTUSER.DAT Recent@
'Application Data'@ Evernote/ ntuser.dat.LOG1 'Saved Games'/'
Contacts/ Favorites/ ntuser.dat.LOG2 Searches/
Cookies@ get-pip.py" NTUSER.DAT{0a44b816-e52e-11e9-b7a3-005056c00008}.TM.b1f SendTo@
Desktop/ LB_PY_ABHI_WKDY_10102019/ NTUSER.DAT{0a44b816-e52e-11e9-b7a3-005056c00008}.TM.Container00000000000000000001.regtrans-ms 'Start Menu'@
Development/ Links/ NTUSER.DAT{0a44b816-e52e-11e9-b7a3-005056c00008}.TM.Container00000000000000000002.regtrans-ms Templates@
Documents/ 'Local Settings'@ ntuser.ini Pictures/ Videos/
Downloads/ MicrosoftEdgeBackups/ OneDrive/ Vir/
eclipse/ Music/ PrintHood@
eclipse-workspace/ 'My Documents'@ PycharmProjects/

Learnbay@LAPTOP-410HFKUK MINGW64 ~
$ git clone https://github.com/iabhi1992/LB_PY_ABHI_WKDY_10102019.git
Cloning into 'LB_PY_ABHI_WKDY_10102019'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.

Learnbay@LAPTOP-410HFKUK MINGW64 ~
$ ls
'3D Objects'/' Env/ NetHood@ PycharmProjects/
AppData/' Envs/ NTUSER.DAT Recent@
'Application Data'@ Evernote/ ntuser.dat.LOG1 'Saved Games'/'
Contacts/ Favorites/ ntuser.dat.LOG2 Searches/
Cookies@ get-pip.py" NTUSER.DAT{0a44b816-e52e-11e9-b7a3-005056c00008}.TM.b1f SendTo@
Desktop/ LB_PY_ABHI_WKDY_10102019/ NTUSER.DAT{0a44b816-e52e-11e9-b7a3-005056c00008}.TM.Container00000000000000000001.regtrans-ms 'Start Menu'@
Development/ Links/ NTUSER.DAT{0a44b816-e52e-11e9-b7a3-005056c00008}.TM.Container00000000000000000002.regtrans-ms Templates@
Documents/ 'Local Settings'@ ntuser.ini Pictures/ Videos/
Downloads/ MicrosoftEdgeBackups/ OneDrive/ Vir/
eclipse/ Music/ PrintHood@
eclipse-workspace/ 'My Documents'@ PycharmProjects/

Learnbay@LAPTOP-410HFKUK MINGW64 ~
$ cd LB_PY_ABHI_WKDY_10102019
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ ls
README.md
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$
```

git add <file name> - - to move file to staging area

```
MINGW64/c/Users/Learnbay/LB_PY_ABHI_WKDY_10102019
Documents/ 'Local Settings' ntuser.ini Videos/
Downloads/ MicrosoftEdgeBackups/ OneDrive/ Vir/
eclipse/ Music/ Pictures/
eclipse-workspace/ 'My Documents' PrintHood

Learnbay@LAPTOP-410HFKUK MINGW64 ~
$ cd LB_PY_ABHI_WKDY_10102019
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ ls
README.md
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    hello.py

nothing added to commit but untracked files present (use "git add" to track)
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git add
Nothing specified, nothing added.
Maybe you wanted to say 'git add .'
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git add hello.py
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   hello.py
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$
```

git status

```
MINGW64/c/Users/Learnbay/LB_PY_ABHI_WKDY_10102019
Documents/ 'Local Settings' ntuser.ini Videos/
Downloads/ MicrosoftEdgeBackups/ OneDrive/ Vir/
eclipse/ Music/ Pictures/
eclipse-workspace/ 'My Documents' PrintHood

Learnbay@LAPTOP-410HFKUK MINGW64 ~
$ cd LB_PY_ABHI_WKDY_10102019
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ ls
README.md
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    hello.py

nothing added to commit but untracked files present (use "git add" to track)
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git add
Nothing specified, nothing added.
Maybe you wanted to say 'git add .'
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git add hello.py
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   hello.py
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$
```

git commit -m 'first time hello.py'

⇒ Add changes to local VCS. Still code is not pushed to cloud

```
MINGW64/c/Users/Learnbay/LB_PY_ABHI_WKDY_10102019
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   hello.py

Learnbay@LAPTOP-410HFUKU MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git commit

*** Please tell me who you are.

Run

    git config --global user.email "you@example.com"
    git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'Learnbay@LAPTOP-410HFUKU.(none)')

Learnbay@LAPTOP-410HFUKU MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git commit -m 'first time hello.py'

*** Please tell me who you are.

Run

    git config --global user.email "you@example.com"
    git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'Learnbay@LAPTOP-410HFUKU.(none)')

Learnbay@LAPTOP-410HFUKU MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git config --global user.email "iabhi1992@gmail.com"
error: key does not contain a section: global

Learnbay@LAPTOP-410HFUKU MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git config --global user.email "iabhi1992@gmail.com"

Learnbay@LAPTOP-410HFUKU MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git commit -m 'first time hello.py'
[master 447ec7b] first time hello.py
1 file changed, 1 insertion(+)
create mode 100644 hello.py

Learnbay@LAPTOP-410HFUKU MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ |
```

git log – log of all commit history

```
MINGW64/c/Users/Learnbay/LB_PY_ABHI_WKDY_10102019

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'Learnbay@LAPTOP-410HFUKU.(none)')

Learnbay@LAPTOP-410HFUKU MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git commit -m 'first time hello.py'

*** Please tell me who you are.

Run

    git config --global user.email "you@example.com"
    git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'Learnbay@LAPTOP-410HFUKU.(none)')

Learnbay@LAPTOP-410HFUKU MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git config --global user.email "iabhi1992@gmail.com"
error: key does not contain a section: global

Learnbay@LAPTOP-410HFUKU MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git config --global user.email "iabhi1992@gmail.com"

Learnbay@LAPTOP-410HFUKU MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git commit -m 'first time hello.py'
[master 447ec7b] first time hello.py
1 file changed, 1 insertion(+)
create mode 100644 hello.py

Learnbay@LAPTOP-410HFUKU MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git log
commit 447ec7b14e36d6dd3ab189327068dd9e2b721c10 (HEAD -> master)
Author: unknown <iabhi1992@gmail.com>
Date:   Mon Oct 14 23:01:13 2019 +0530

    first time hello.py

commit d816d064d437fb220ce9e86e11afecbc04bci47 (origin/master, origin/HEAD)
Author: Abhishek Gupta <iabhi1992@gmail.com>
Date:   Mon Oct 14 21:44:02 2019 +0530

    Initial commit

Learnbay@LAPTOP-410HFUKU MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$
```

Git status

```
MINGW64/c/Users/Learnbay/LB_PY_ABHI_WKDY_10102019

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'Learnbay@LAPTOP-410HFKUK.(none)')

Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git config --global user.email "iabhi1992@gmail.com"
error: key does not contain a section: global

Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git config --global user.email "iabhi1992@gmail.com"

Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git commit -m 'first time hello.py'
[master 447ec7b] first time hello.py
1 file changed, 1 insertion(+)
create mode 100644 hello.py

Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git log
commit 447ec7b14e36d6dd3ab189327068dd9e2b721c10 (HEAD -> master)
Author: unknown <iabhi1992@gmail.com>
Date:   Mon Oct 14 23:01:13 2019 +0530

    first time hello.py

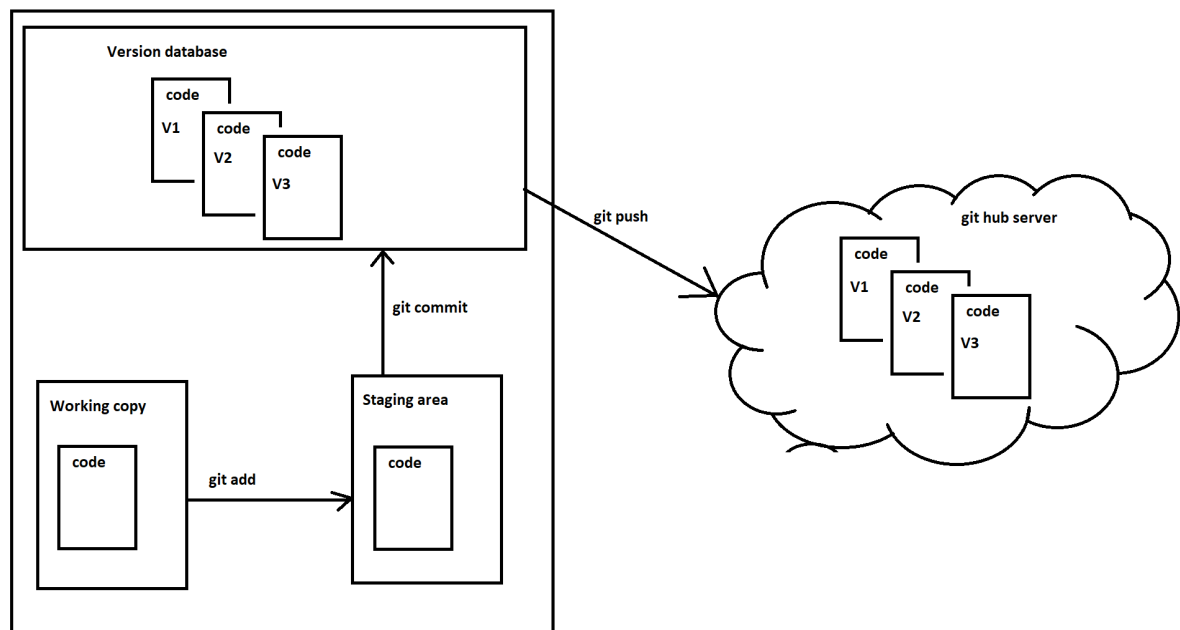
commit d816d064d437ffb220ce9e86e11afecbc04bcl47 (origin/master, origin/HEAD)
Author: Abhishek Gupta <iabhi1992@gmail.com>
Date:   Mon Oct 14 21:44:02 2019 +0530

    Initial commit

Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use 'git push' to publish your local commits)

nothing to commit, working tree clean

Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$
```



Undoing changes - `git restore hello.py`

```
MINGW64/c/Users/Learnbay/LB_PY_ABHI_WKDY_10102019
Date: Mon Oct 14 21:44:02 2019 +0530

Initial commit
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean

Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 2 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 318 bytes | 63.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/iabhi1992/LB_PY_ABHI_WKDY_10102019.git
  447ec7b..271c4db master -> master

Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git diff HEAD
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   hello.py

no changes added to commit (use "git add" and/or "git commit -a")

Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git restore hello.py
Learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ |
```

`git checkout -- <filename>` → to undo changes to current file

`git checkout -- .` → to undo changes to all file.

Reverting committed changes:-

`git revert <commit id>`

```
MINGW64~/Users/Learnbay/LB_PY_ABHI_WKDY_10102019
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   hello.py

no changes added to commit (use "git add" and/or "git commit -a")

learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git add hello.py

learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git commit -m 'Pizza'
[master 78590b0] Pizza
1 file changed, 3 insertions(+), 1 deletion(-)

learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git log
commit 78590b0725ace944eca8b082eaab8fd1008a86c0 (HEAD -> master)
Author: unknown <iabhi1992@gmail.com>
Date:   Mon Oct 14 23:31:54 2019 +0530

    Pizza

commit 271c4db2e050108cae4f8bbbe7748d69489ce73f (origin/master, origin/HEAD)
Author: unknown <iabhi1992@gmail.com>
Date:   Mon Oct 14 23:11:49 2019 +0530

    changed 2nd time for test

commit 447ec7b14e36d6dd3ab189327068dd9e2b721c10
Author: unknown <iabhi1992@gmail.com>
Date:   Mon Oct 14 23:01:13 2019 +0530

    first time hello.py

commit d816d064d437f720ce8e86c11afecbc04b147
Author: Abhishek Gupta <iabhi1992@gmail.com>
Date:   Mon Oct 14 21:44:02 2019 +0530

    Initial commit

learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$ git revert 78590b0725ace944eca8b082eaab8fd1008a86c0
[master 5e12f0f] Revert "Pizza"
1 file changed, 1 insertion(+), 3 deletions(-)

learnbay@LAPTOP-410HFKUK MINGW64 ~/LB_PY_ABHI_WKDY_10102019 (master)
$
```

Git reset –hard <commit id>

Branching

Git branch – shows current branch

Git branch <new branch name> - creates new branch

Git checkout <branch name> - switches to different branch

After making changes – add, commit and push

Merging two branches

Git checkout <master branch>

Get merge <child branch>