INFORMATION ABOUT THE GIT

- Git stands for global information tracking system
- git is version control system because it keeps track of the all the changes made to files in a project. This way, you can go back to previous versions if needed.
- Repositories : A Git repository is where your project's files and their history are stored. There are two main types
    - Local repository : This is stored on your computer.
    - Remote repository : This is stored on a server, like github, so it can be accessed by multiple people.

Q) What is git?

Git is a tool used by developers to manage and track changes in their code.it helps teams collaborate on projects without overwriting each other's work.

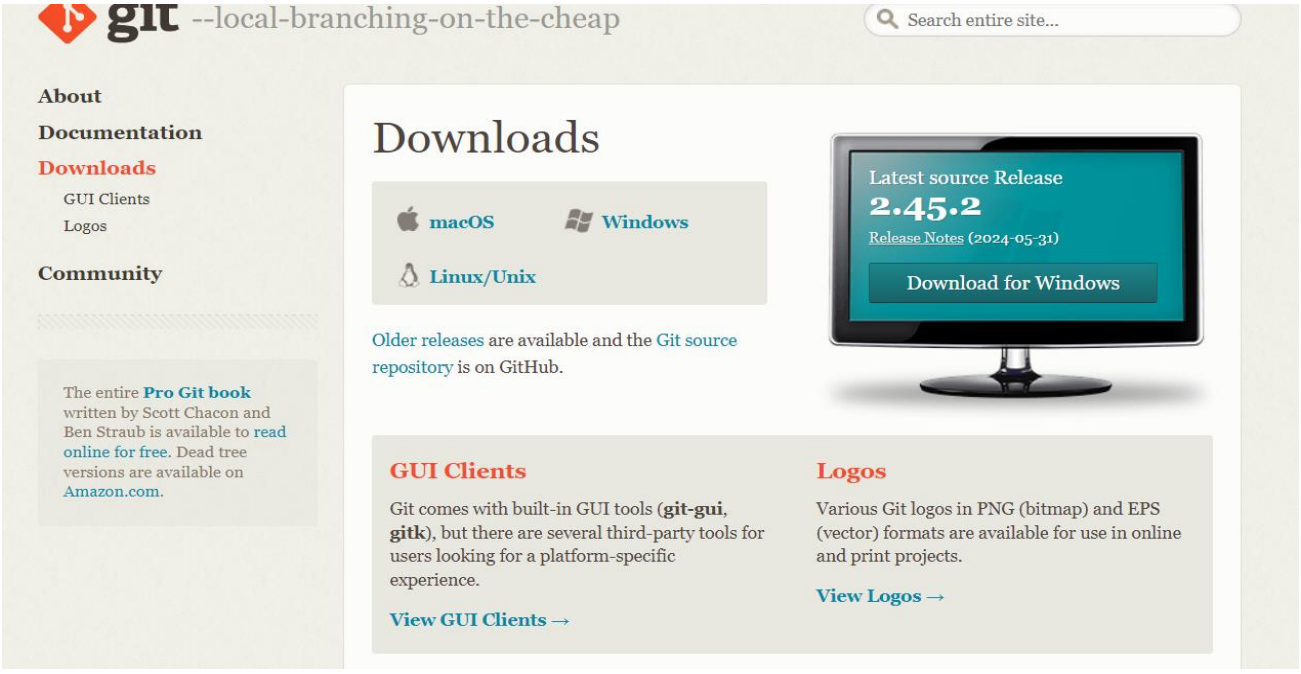

Fig : download the git

Fig : installation of git

GIT Commands :

Git init : initialize a repository

Git clone url : create a copy of an existing repository

Git add filename : To add a specific file to staging area

Git status : To display the state of the working directory

Git branch : It is used to manage the branches in a git repository

Git commit -m “msg” : Used to save changes to the local repository

Git push : It is used to upload local repository content to a remote repository

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muppi@Rohith MINGW64 ~/OneDrive/Desktop/10k coders/6 june task 4 (master)
$ git clone https://github.com/muppiroshini/task6.git
Cloning into 'task6'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

muppi@Rohith MINGW64 ~/OneDrive/Desktop/10k coders/6 june task 4 (master)
$ ls
task6/

muppi@Rohith MINGW64 ~/OneDrive/Desktop/10k coders/6 june task 4 (master)
$ cd task6/

muppi@Rohith MINGW64 ~/OneDrive/Desktop/10k coders/6 june task 4/task6 (main)
$ ls
README.md

muppi@Rohith MINGW64 ~/OneDrive/Desktop/10k coders/6 june task 4/task6 (main)
$ ls
README.md  index.html

muppi@Rohith MINGW64 ~/OneDrive/Desktop/10k coders/6 june task 4/task6 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

nothing added to commit but untracked files present (use "git add" to track)

muppi@Rohith MINGW64 ~/OneDrive/Desktop/10k coders/6 june task 4/task6 (main)
$ git add --all

muppi@Rohith MINGW64 ~/OneDrive/Desktop/10k coders/6 june task 4/task6 (main)
$ git commit -m "rrr"
[main 97b7bf5] rrr
 1 file changed, 13 insertions(+)
 create mode 100644 index.html

muppi@Rohith MINGW64 ~/OneDrive/Desktop/10k coders/6 june task 4/task6 (main)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 431 bytes | 431.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/muppiroshini/task6.git
   295b5b2..97b7bf5  main -> main

muppi@Rohith MINGW64 ~/OneDrive/Desktop/10k coders/6 june task 4/task6 (main)
$
```