Git Commands

1)git config

Usage: git config –global user.name "[User_name]"

Usage: git config –global user.email "[User _email_address]"

This command sets the author name and email address respectively to be used with your commits.

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (master)
$ git config --global user.name "Kampa Hananya"

hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (master)
$ git config --global user.email "kampahananya@gmail.com"

hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (master)
$ git config --global user.email
kampahananya@gmail.com

hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (master)
$ git config --global user.name
Kampa Hananya
```

2)git init

Usage: git init [repository name]

This command is used to start a new repository.

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (master)
$ git init Gittutorial
Initialized empty Git repository in C:/Users/hanan/Desktop/krishnaik/week1/Gittutorial/Gittutorial/.git/
```

3)git clone

Usage: git clone [url]

This command is used to obtain a repository from an existing URL.

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (master)
$ git clone https://github.com/python/peps.git
Cloning into 'peps'...
remote: Enumerating objects: 34639, done.
remote: Counting objects: 100% (649/649), done.
remote: Compressing objects: 100% (328/328), done.
remote: Total 34639 (delta 217), reused 467 (delta 149), pack-reused 33990
Receiving objects: 100% (34639/34639), 26.41 MiB | 6.37 MiB/s, done.
Resolving deltas: 100% (22558/22558), done.
```

4)git add

Usage: git add [file]

This command adds a file to the staging area.

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (master)
$ git add README.md
(base)
```

Usage: git add *

This command adds one or more to the staging area.

5)git commit

Usage: git commit -m "[Type in the commit message]"

This command records or snapshots the file permanently in the version history.

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (master)
$ git commit -m "This is my first commit"
[master (root-commit) 6447e41] This is my first commit
 2 files changed, 4 insertions(+)
 create mode 100644 README.md
 create mode 100644 requirement.txt
```

Usage: git commit -a

This command commits any files you've added with the git add command and also commits any files you've changed since then.

6)git status

Usage: git status

This command lists all the files that have to be committed.

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

7)git rm

Usage: git rm [file]

This command deletes the file from your working directory and stages the deletion.

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (main)
$ git rm requirement.txt
rm 'requirement.txt'
```

8)git log

Usage: git log

This command is used to list the version history for the current branch.

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (main)
$ git log
commit 6afa30a4466a439b03520c869a985caddc2787a9 (HEAD -> main, origin/main)
Author: Kampa Hananya <kampahananya@gmail.com>
Date:   Mon Oct 17 13:48:53 2022 +0530

    Added python file

commit 6447e417f4dbbf8a387deb202e92b4f692664b90
Author: Kampa Hananya <kampahananya@gmail.com>
Date:   Mon Oct 17 13:14:17 2022 +0530

    This is my first commit
```

Usage: git log –follow[file]

This command lists version history for a file, including the renaming of files also.

9)git show

Usage: git show [commit]

This command shows the metadata and content changes of the specified commit.

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (main)
$ git show
commit 6afa30a4466a439b03520c869a985caddc2787a9 (HEAD -> main, origin/main)
Author: Kampa Hananya <kampahananya@gmail.com>
Date:   Mon Oct 17 13:48:53 2022 +0530

    Added python file

diff --git a/app.py b/app.py
new file mode 100644
index 0000000..8e23576
--- /dev/null
+++ b/app.py
@@ -0,0 +1 @@
+print("Hello World")
\ No newline at end of file
```

10)git branch

Usage: git branch

This command lists all the local branches in the current repository.

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (main)
$ git branch
* main
```

11)Usage: git branch [branch name]

This command creates a new branch.

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (main)
$ git branch newbranch
```

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (main)
$ git branch
* main
  newbranch
```

12)Usage: git branch –-delete [branch name]

This command deletes whatever branch you want

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (main)
$ git branch --delete newbranch
Deleted branch newbranch (was 6afa30a).
```

13)git commit -m "first commit"

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (master)
$ git commit -m "This is my first commit"
[master (root-commit) 6447e41] This is my first commit
 2 files changed, 4 insertions(+)
 create mode 100644 README.md
 create mode 100644 requirement.txt
```

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (master)
$ git status
On branch master
nothing to commit, working tree clean
```

14)git branch -M main

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (master)
$ git branch
* master

hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (master)
$ git branch -M main

hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (main)
$ git status
On branch main
nothing to commit, working tree clean

hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (main)
$ git branch
* main
```

15)git remote add origin
https://github.com/hananyakampa/Git_tutorials.git

```
hanan@hani MINGW64 ~/Desktop/krishnaik/week1/Gittutorial (main)
$ git remote add origin https://github.com/hananyakampa/Git_tutorials.git
```