GITHUB AND GIT OPREATIONS

Cognizance task1

By, K.SHRIVARSHINI

1. To create a github local repo:

```
CVAISBLAPTOP-IE63BE91 MINGM64 ~/Desktop

Analyzer.lnk*

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```

2.git add-Puts current working files into the stage

Git status

Git commit: Commit changes staged files to local branch

```
ParsillaPTIP-IEGBESS MINOMEA -/Desktop/cognizance (master)

Egit commit == "First commit"

www.please tell me.who.you are.

tun

git config --global user.email "youdexample.com"
git config --global user.name "Your with the property of the
```

git commit -a -Commits all modified files to a local branch

```
MINGW64/c/Users/kvars/Desktop/cognizance

cvars@LAPTOP-IE63BE91 MINGw64 ~/Desktop/cognizance (master)

§ git commit -a

In branch master

Jutracked files:

(use "git add files..." to include in what will be committed)

cognizance-task-1/

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

cvars@LAPTOP-IE63BE91 MINGw64 ~/Desktop/cognizance (master)
```

git checkout-

Replaces the current working files with files from a branch.

```
cvars@LAPTOP-IE63BE91 MINGw64 ~/Desktop/cognizance (core)
$ git checkout master
Switched to branch 'master'
cvars@LAPTOP-IE63BE91 MINGw64 ~/Desktop/cognizance (master)
$
```

git checkout -b-

Creates a new local branch from the current branch's tip.

```
MINGW64/c/Users/kvars/Desktop/cognizance

svars@LAPTOP-IE63BE91 MINGW64 ~/Desktop/cognizance (master)

sylic checkout -b core
switched to a new branch 'core'

svars@LAPTOP-IE63BE91 MINGW64 ~/Desktop/cognizance (core)

| |
```

git clone-

Clone an existing repository into a new directory.

```
vvars@LAPTOP-IE63BE91 MINGW64 ~/Desktop/cognizance (master)
$ git clone https://github.com/shri210404/cognizance-task-1.git
cloning into 'cognizance-task-1'...
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.

vvars@LAPTOP-IE63BE91 MINGW64 ~/Desktop/cognizance (master)
$
```

git merge-

Merges files from a given branch into the current branch.

```
> MINGW64/c/Users/kvars/Desktop/cognizance

cvars@LAPTOP-IE63BE91 MINGW64 ~/Desktop/cognizance (master)
$ git merge core
\text{\text{\text{ready up to date.}}}

cvars@LAPTOP-IE63BE91 MINGW64 ~/Desktop/cognizance (master)
$ |
```

git pull

Fetches remote changes on the current branch into the local clone, and merges them into the current working files.

```
CVAPSOLAPTOP-IE63BE91 MINGW64 ~/Desktop/cognizance (master)

i git pull
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Jupacking objects: 100% (3/3), 603 bytes | 30.00 KiB/s, done.
-rom https://github.com/shriz10404/cognizance-task-1
- new branch]
- new branch]
- new pranch]
- new pranch]
- new pranch
- see specify which branch you want to merge with.
- see git-pull(1) for details.

git pull <remote> dbranch>
- set upstream-to=<remote>/dbranch> master

CVATSOLAPTOP-IE63BE91 MINGW64 ~/Desktop/cognizance (master)

i git branch -- set-upstream-to=cremote>/dbranch> master
```

git push

Uploads changes from all local branches to the respective remote repositories.

```
cvars@LAPTOP-IEG3BE91 MINOW64 ~/Desktop/cognizance (master)
$ git push origin master
fatal: 'origin' does not appear to be a git repository
fatal: 'origin' does not appear to be a git repository
fatal: 'origin' does not appear to be a git repository
fatal: 'origin' does not appear to be a git repository
fatal: 'origin' does not appear to be a git repository
fatal: 'origin' does not appear to be a git repository
fatal: 'origin' does not appear to be a git repository
fatal: 'origin' does not appear to the property origin' does not appear to the property origin'
```

git reset

Makes the current branch point to some specific revision or branch

```
cvarsQLAPTOP-IE638E91 MINGW64 ~/Desktop/cognizance (master)
$ git reset HEAD file1.txt

cvarsQLAPTOP-IE638E91 MINGW64 ~/Desktop/cognizance (master)
$ git status
on branch master
Juntracked files:
    (use "git add efile>..." to include in what will be committed)
    cognizance-task=1/
nothing added to commit but untracked files present (use "git add" to track)

cvarsQLAPTOP-IE638E91 MINGW64 ~/Desktop/cognizance (master)
$ |
```

git rebase

Integrates changes from one branch into another. It is an alternative to the better known "merge" command.

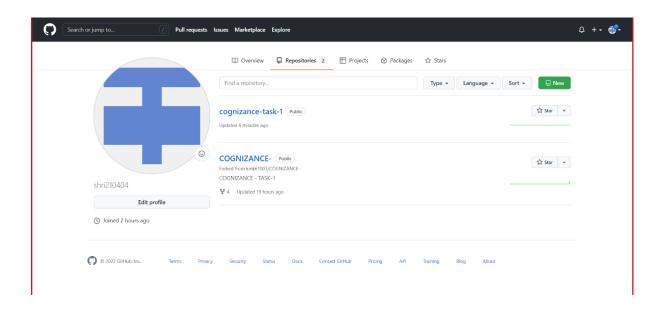
```
cvars@LAPTOP-IE63BE91 MINGW64 ~/Desktop/cognizance (master)
$ git rebase core
current branch master is up to date.
cvars@LAPTOP-IE63BE91 MINGW64 ~/Desktop/cognizance (master)
$
```

Git fetch

```
cvars@LAPTOP-IE63BE91 MINGw64 ~/Desktop/cognizance (master)
g git fetch
cvars@LAPTOP-IE63BE91 MINGw64 ~/Desktop/cognizance (master)
```

git fork

Fork will create a copy of the repository in your GitHub account so that you can make changes to the project.



git config --list -show-origin