COGNIZANCE

TASK-1

1.CREATING A REPOSITORY:

MINGW64:/c/Users/Hi/Desktop/cognizance/Hi

```
Hi@DESKTOP-OBRC408 MINGW64 ~/Desktop/cognizance (master)
$ pwd
/c/Users/Hi/Desktop/cognizance
Hi@DESKTOP-OBRC408 MINGW64 ~/Desktop/cognizance (master)
$ mkdir Hi

Hi@DESKTOP-OBRC408 MINGW64 ~/Desktop/cognizance (master)
$ ls
Cognizance/ Hi/

Hi@DESKTOP-OBRC408 MINGW64 ~/Desktop/cognizance (master)
$ cd Hi

Hi@DESKTOP-OBRC408 MINGW64 ~/Desktop/cognizance/Hi (master)
$ git init
Initialized empty Git repository in C:/Users/Hi/Desktop/cognizance/Hi/.git/

Hi@DESKTOP-OBRC408 MINGW64 ~/Desktop/cognizance/Hi (master)
$ git init
Initialized empty Git repository in C:/Users/Hi/Desktop/cognizance/Hi/.git/

Hi@DESKTOP-OBRC408 MINGW64 ~/Desktop/cognizance/Hi (master)
$ |
```

2.git add:

```
$ pwd
/c/Users/Hi
$ cd C:\Users\Hi\Documents
bash: cd: C:UsersHiDocuments: No such file or directory
Hi@DESKTOP-OBRC408 MINGW64 ~ (invent)
$ cd C:/Users/Hi/Documents
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents (invent)
$ mkdir Task-1
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents (invent)
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (invent)
$ git init
Initialized empty Git repository in C:/Users/Hi/Documents/Task-1/.git/
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git remote add origin https://github.com/K21027/Cognizance.git
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ touch test.txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git add . test.txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git commit -m"commited test.txt"
[master (root-commit) b9f838f] commited test.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 test.txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git status
On branch master
nothing to commit, working tree clean
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ touch temp.txt
```

3.git status:

```
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ vi temp.txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ cat temp.txt
i am uttejitha from nellore
 Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git status
On branch 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)
Untracked files:
   (use "git add <file>..." to include in what will be committed)
no changes added to commit (use "git add" and/or "git commit -a")
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git add . temp.txt
warning: LF will be replaced by CRLF in temp.txt.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in !!!!!!!!!!!
The file will have its original line endings in your working directory
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git status
On branch master
Changes to be committed:
   (use "git restore --staged <file>..." to unstage)
    new file: !!!!!!!!!!!
           new file: !!!!!!!!
modified: temp.txt
```

```
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git add . temp.txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git commit -m"commited temp.txt"
[master c69b5ef] commited temp.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 temp.txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git status
   branch master
nothing to commit, working tree clean
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ vi temp.txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ cat temp.txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ vi temp.txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ cat temp.txt
  am uttejitha from nellore
 Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git status
3 git status
On branch 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)
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ cat tem.txt
cat: tem.txt: No such file or directory
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ vi temp.txt
 Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ cat temp.txt
i am uttejitha from nellore
i am studying in amrita
it is located in chennail
 Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
```

4.git commit:

MINGW64:/c/Users/Hi/Documents/Task-1 Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master) \$ git add . test.txt

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)

§ git commit -m"commited test.txt"

[master (root-commit) b9f838f] commited test.txt

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 test.txt

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)

§ git status

On branch master

nothing to commit, working tree clean

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)

§ touch temp.txt

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)

§ git add .temp.txt' did not match any files

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)

§ git add . temp.txt

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)

§ git add . temp.txt

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)

§ git commit -m"commited temp.txt

[master c69b5ef] commited temp.txt

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 temp.txt

5.git checkout:

```
MINGW64:/c/Users/Hi/Documents/Task-1
          new file:
deleted:
new file:
                        temp.txt
txt
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)
 Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git add .
warning: LF will be replaced by CRLF in Task-1.txt.
The file will have its original line endings in your working directory
 Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
 Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ cat Task-1.txt
i am uttejitha
i am from nellore
  am studying in amrita
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
s cat Task-1.txt
i am uttejitha
i am from nellore
i am studying in amrita
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git checkout -- Task-1.txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master) $ cat Task-1.txt
  am uttejitha
 fi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
```

6.git checkout -b:

```
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ cat Task-1.txt
 am uttejitha
 am from nellore
 am studying in amrita
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git checkout -- Task-1.txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ cat Task-1.txt
i am uttejitha
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git checkout -b code
Switched to a new branch 'code'
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code)
$ git checkout master
Switched to branch 'master'
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
```

7. git clone:

```
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git clone https://github.com/K21027/Cognizance.git
Cloning into 'Cognizance'...
warning: You appear to have cloned an empty repository.

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git checkout -b code
fatal: a branch named 'code' already exists

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git checkout code
Switched to branch 'code'

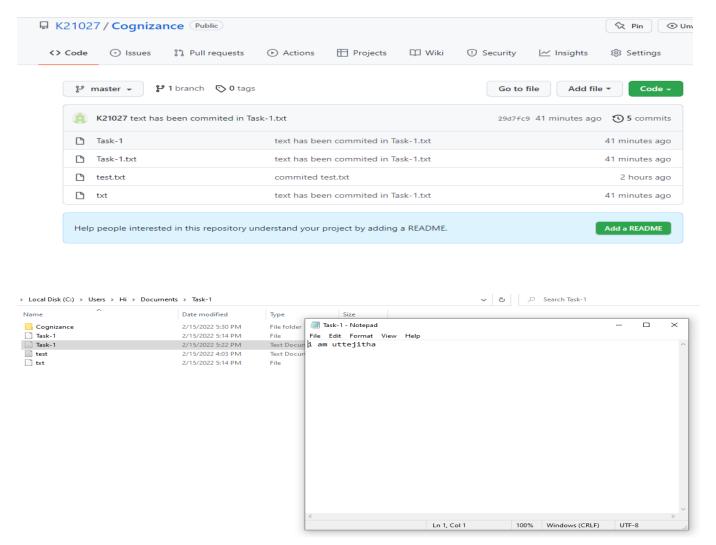
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code)
$ git clone https://github.com/K21027/Cognizance.git
fatal: destination path 'Cognizance' already exists and is not an empty directory.

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code)
$ ls
Cognizance/ Task-1 Task-1.txt test.txt txt

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code)
```

8. git push:

```
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code)
$ ls
Cognizance/ Task-1 Task-1.txt test.txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code)
$ git remote -v
origin https://github.com/K21027/Cognizance.git (fetch)
origin https://github.com/K21027/Cognizance.git (push)
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code)
$ git push -u origin master
Enumerating objects: 16, done.
Counting objects: 100% (16/16), done.
Delta compression using up to 4 threads
Compressing objects: 100% (12/12), done.
Writing objects: 100% (16/16), 1.52 KiB | 129.00 KiB/s, done.
Total 16 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/K21027/Cognizance.git
* [new branch]
                    master -> master
branch 'master' set up to track 'origin/master'.
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code)
```



Creating a branch and pushing into the repo:

```
nothing added to commit but untracked files present (use "git add" to track)
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code1)
Cognizance/ Task-1 Task-1.txt code1.txt test.txt txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code1)
$ git push origin code1
Total O (delta O), reused O (delta O), pack-reused O
remote:
emote: Create a pull request for 'code1' on GitHub by visiting:
          https://github.com/K21027/Cognizance/pull/new/code1
remote:
To https://github.com/K21027/Cognizance.git
 * [new branch]
                 code1 -> code1
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code1)
MINGW64:/c/Users/Hi/Documents/Task-1
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code)
$ git checkout -b code1
Switched to a new branch 'code1'
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code1)
$ git code
git: 'code' is not a git command. See 'git --help'.
The most similar command is
        clone
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code1)
$ touch code1.txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code)
Cognizance/ Task-1 Task-1.txt test.txt txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code)
$ git remote -v
origin https://github.com/K21027/Cognizance.git (fetch)
origin https://github.com/K21027/Cognizance.git (push)
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code)
$ git push -u origin master
Enumerating objects: 16, done.
Counting objects: 100% (16/16), done.
Delta compression using up to 4 threads
Compressing objects: 100% (12/12), done.
Writing objects: 100% (16/16), 1.52 KiB | 129.00 KiB/s, done.
Total 16 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/K21027/Cognizance.git
* [new branch]
                      master -> master
branch 'master' set up to track 'origin/master'.
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code)
```

9.git fetch:

```
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code)

$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git fetch

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git remote -v
origin https://github.com/K21027/Cognizance.git (fetch)
origin https://github.com/K21027/Cognizance.git (push)

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ |
```

10. git merge:

```
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code1)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git merge code1
Already up to date.
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git merge code
Already up to date.
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git checkout master
Already on 'master'
Your branch is up to date with 'origin/master'.
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git checkout code1
Switched to branch 'code1'
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code1)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git merge code1
Already up to date.
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
```

11 git pull:

```
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)

$ git pull origin master

From https://github.com/K21027/Cognizance

* branch master -> FETCH_HEAD

Already up to date.

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)

$
```

12. git reset:



Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master) \$ git add .
error: 'Cognizance/' does not have a commit checked out
fatal: adding files failed Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master) Cognizance/ Task-1 Task-1.txt code1.txt index.txt test.txt txt Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master) \$ git ls-files Task-1 Task-1.txt index.txt test.txt txt Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master) \$ git reset index.txt Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master) Cognizance/ Task-1 Task-1.txt code1.txt index.txt test.txt txt Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master) \$ git ls-files Task-1 Γask-1.txt test.txt txt Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master) init Reinitialized existing Git repository in C:/Users/Hi/Documents/Task-1/.git/ Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master) \$ vim file1.txt Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master) \$ vim file2.txt Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
\$ vim file3.txt Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master) \$ ls Cognizance/ Task-1.txt file1.txt Task-1 code1.txt file2.txt file3.txt test.txt index.txt

MINGW64:/c/Users/Hi/Documents/Task-1

MINGW64 ~/Documents/Task-1 (master) fatal: pathspec 'file.txt' did not match any files i@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
git commit "commit file"
rror: pathspec 'commit file' did not match any file(s) known to git inion pathspec committee the discussion and master)

git add file2.txt; commit -m"commited file2"

varning: LF will be replaced by CRLF in file2.txt.

the file will have its original line endings in your working directory

ash: commit: command not found i@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
AC fi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master) git add file2.txt;git commit -m"commited file2" master Ofb95c8] commited file2 1 file changed, 1 insertion(+) create mode 100644 file2.txt figDESkTOP-DBRC408 MINGW64 ~/Documents/Task-1 (master)
is git add file3.txt; git commit -m"commited file3"
varning: LF will be replaced by CRLF in file3.txt.
the file will have its original line endings in your working directory
master 10d2be5] commited file3
1 file changed, 1 insertion(+)
create mode 100644 file3.txt ri@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master) Ognizance/ Task-1.txt file1.txt file3.txt test.txt

Task-1 code1.txt file2.txt index.txt txt HiBDESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
git ls-files
ask-1.
ask-1.txt
ile2.txt
ile3.txt
est.txt
xt

```
test.txt
txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git log --oneline
Ofb95c8 (HEAD -> master) commited file2
29d7fc9 (origin/master, origin/code1, code1, code) text has been commited in Tas
k-1.txt
64b753e committed in Task-1.txt
b144726 added text to temp.txt
c69b5ef committed temp.txt
b9f838f committed test.txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git reset --soft Ofb95c8
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
Cognizance/ Task-1.txt file1.txt file3.txt test.txt
Task-1 code1.txt file2.txt index.txt txt
Task-1
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git ls-files
Task-1
Task-1.txt
file2.txt
test.txt
txt
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (master)
$ git log --oneline
Ofb95c8 (HEAD -> master) commited file2
29d7fc9 (origin/master, origin/code1, code1, code) text has been commited in Tas
k-1.txt
64b753e committed in Task-1.txt
b144726 added text to temp.txt
c69b5ef committed temp.txt
b9f838f committed test.txt
```

13.git rebase:

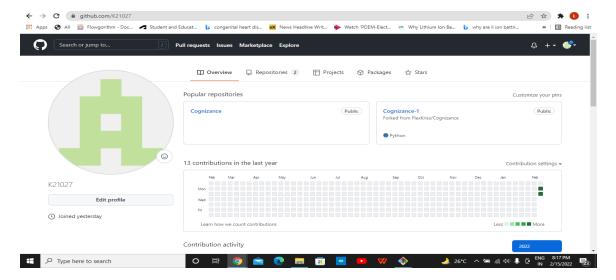
```
Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code1)

$ git rebase code1
Current branch code1 is up to date.

Hi@DESKTOP-OBRC408 MINGW64 ~/Documents/Task-1 (code1)

$ |
```

14.git fork:



Git config list: