NAME : P.MOHITH PAVAN KUMAR

CLASS : CSE-B Group-B

ROLL NO : CH.EN.U4CSE20148

COGNIZANCE TASK 1

Amrita School of Engineering

Chennai

Create a repository with name "Cognizance" on GitHub using Git Bash.
2. Create a folder with name "Task-1" in the repository and perform
the Git operations using Git Bash.

```
mohit@LAPTOP-H5M4BPD1 MINGW64 ~
$ cd Task-1

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/Task-1
$ git init
Initialized empty Git repository in C:/Users/mohit/Task-1/.git/

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/Task-1 (master)
$ git remote add origin https://github.com/mohimohith/Cognizance.git

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/Task-1 (master)
$ git add .

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/Task-1 (master)
$ git commit -m "first commit"
[master (root-commit) c4b0d57] first commit
 1 file changed, 1 insertion(+)
 create mode 100644 New Text Document.txt

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/Task-1 (master)
$ git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 252 bytes | 126.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/mohimohith/Cognizance.git
 * [new branch]      master -> master
```

1. **3. Upload the screenshot of the git bash using This command in your**
   computer.

   `git config --list --show-origin`

```
mohit@LAPTOP-H5M4BPD1 MINGW64 ~/Task-1 (master)
$ git config --list --show-origin
file:C:/Program Files/Git/etc/gitconfig diff.astextplain.textconv=astextplain
file:C:/Program Files/Git/etc/gitconfig filter.lfs.clean=git-lfs clean -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.process=git-lfs filter-process
file:C:/Program Files/Git/etc/gitconfig filter.lfs.required=true
file:C:/Program Files/Git/etc/gitconfig http.sslbackend=openssl
file:C:/Program Files/Git/etc/gitconfig http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
file:C:/Program Files/Git/etc/gitconfig core.autocrlf=true
file:C:/Program Files/Git/etc/gitconfig core.fscache=true
file:C:/Program Files/Git/etc/gitconfig core.symlinks=false
file:C:/Program Files/Git/etc/gitconfig pull.rebase=false
file:C:/Program Files/Git/etc/gitconfig credential.helper=manager-core
file:C:/Program Files/Git/etc/gitconfig credential.https://dev.azure.com.usehttppath=true
file:C:/Program Files/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/mohit/.gitconfig  filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Users/mohit/.gitconfig  filter.lfs.process=git-lfs filter-process
file:C:/Users/mohit/.gitconfig  filter.lfs.required=true
file:C:/Users/mohit/.gitconfig  filter.lfs.clean=git-lfs clean -- %f
file:C:/Users/mohit/.gitconfig  user.name=mohimohith
file:C:/Users/mohit/.gitconfig  user.email=Mohithpavankumarpanditi@gmail.com
file:.git/config        core.repositoryformatversion=0
file:.git/config        core.filemode=false
file:.git/config        core.bare=false
file:.git/config        core.logallrefupdates=true
file:.git/config        core.symlinks=false
file:.git/config        core.ignorecase=true
file:.git/config        remote.origin.url=https://github.com/mohimohith/Cognizance.git
file:.git/config        remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/Task-1 (master)
$ git status
On branch master
nothing to commit, working tree clean

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/Task-1 (master)
$ git log
commit c4b0d578e5246efb6eac9ebb109448ed9438f0da (HEAD -> master, origin/master)
Author: mohimohith <Mohithpavankumarpanditi@gmail.com>
Date:   Fri Jun 10 19:06:09 2022 +0530

    first commit
```

Take a screenshot of all the Git operations you performed and compile it in a single PDF and upload it in "Task-1" folder this PDF Should Also Contain the screenshot of the command mentioned in point 3

CHECKOUT,PULL ,PUSH

```
mohit@LAPTOP-H5M4BPD1 MINGW64 ~/Task-1 (master)
$ git checkout -b newbranch
Switched to a new branch 'newbranch'

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/Task-1 (newbranch)
$ git push origin newbranch
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'newbranch' on GitHub by visiting:
remote:         https://github.com/mohimohith/Cognizance/pull/new/newbranch
remote:
To https://github.com/mohimohith/Cognizance.git
 * [new branch]      newbranch -> newbranch

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/Task-1 (newbranch)
$ git branch
  master
* newbranch
```

ADD MERGE

```
mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task1 (newbranch)
$ git checkout newbranch
Already on 'newbranch'
D       New Text Document.txt

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task1 (newbranch)
$ git merge -s ours master
Already up to date.

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task1 (newbranch)
$ git checkout master
Switched to branch 'master'
D       New Text Document.txt

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task1 (master)
$ git merge new branch
merge: new - not something we can merge

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task1 (master)
$ git merge newbranch
Updating c4b0d57..73f1f2f
Fast-forward
 newdoc.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 newdoc.txt

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task1 (master)
$ ls
newdoc.txt
```

ADD A NEW DOCUMENT

```
mohit@LAPTOP-H5M4BPD1 MINGW64 ~/Task-1 (newbranch)
$ cd

mohit@LAPTOP-H5M4BPD1 MINGW64 ~
$ cd task1

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task1 (newbranch)
$ git add newdoc
fatal: pathspec 'newdoc' did not match any files

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task1 (newbranch)
$ git add newdoc.txt

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task1 (newbranch)
$ git commit -m "added a text file into branch"
[newbranch 73f1f2f] added a text file into branch
 1 file changed, 1 insertion(+)
 create mode 100644 newdoc.txt
```

CLONE THE REPOSITERY

```
mohit@LAPTOP-H5M4BPD1 MINGW64 ~
$ git clone https://github.com/mohimohith/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

mohit@LAPTOP-H5M4BPD1 MINGW64 ~
$ ls Cognizance
'New Text Document.txt'

mohit@LAPTOP-H5M4BPD1 MINGW64 ~
$ git status
fatal: not a git repository (or any of the parent directories): .git

mohit@LAPTOP-H5M4BPD1 MINGW64 ~
$ cd Cognizance

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/Cognizance (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/Cognizance (master)
$
```

```
mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (master)
$ touch a.txt b.txt

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (master)
$ git add a.txt; git commit -m "c1m"
[master f639d0d] c1m
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 a.txt

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (master)
$  git add b.txt; git commit -m "c2m"
[master 5db41df] c2m
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 b.txt

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (master)
$ git log --oneline
5db41df (HEAD -> master) c2m
f639d0d c1m
08e99fb (origin/newbranch, newbranch) creating a folder
1aa6d89 (origin/master) 1st commit

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (master)
$ git branch feature

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (master)
$ git checkout feature
Switched to branch 'feature'

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (feature)
$ git branch
* feature
  master
  newbranch

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (feature)
$ echo x.txt y.txt
x.txt y.txt

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (feature)
$ git add x.txt; git commit -m "c1f"
fatal: pathspec 'x.txt' did not match any files
On branch feature
nothing to commit, working tree clean

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (feature)
$ touch x.txt y.txt

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (feature)
$ git add x.txt; git commit -m "c1f"
[feature 0f81404] c1f
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 x.txt

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (feature)
$ git add y.txt; git commit -m "c2f"
[feature 05394e2] c2f
```

```
mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (feature)
$ git log --oneline
05394e2 (HEAD -> feature) c2f
0f81404 c1f
5db41df (master) c2m
f639d0d c1m
08e99fb (origin/newbranch, newbranch) creating a folder
1aa6d89 (origin/master) 1st commit

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (feature)
$ checkout master
bash: checkout: command not found

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (feature)
$ git checkout master
Switched to branch 'master'

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (master)
$ touch c.txt

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (master)
$ git add c.txt; git commit -m "c3m"
[master 078fd8b] c3m
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 c.txt

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (master)
$ git log --oneline
078fd8b (HEAD -> master) c3m
5db41df c2m
f639d0d c1m
08e99fb (origin/newbranch, newbranch) creating a folder
1aa6d89 (origin/master) 1st commit

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (master)
$ git log --oneline feature
05394e2 (feature) c2f
0f81404 c1f
5db41df c2m
f639d0d c1m
08e99fb (origin/newbranch, newbranch) creating a folder
1aa6d89 (origin/master) 1st commit

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (master)
$ git checkout feature
Switched to branch 'feature'

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (feature)
$ git rebase master
Successfully rebased and updated refs/heads/feature.

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (feature)
$
```

FORK

```
mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (feature)
$ gh repo fork https://github.com/mohimohith/Cognizance.git
bash: gh: command not found

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (feature)
$ git repo fork https://github.com/mohimohith/Cognizance.git
git: 'repo' is not a git command. See 'git --help'.

The most similar commands are
        grep
        reflog
        remote
        repack
```

RESET

```
mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1 (master)
$ cd task1

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1/task1 (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    ../New Text Document.txt
        deleted:    ../a.txt
        deleted:    ../b.txt
        deleted:    ../c.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        New Text Document.txt
        a.txt
        b.txt
        c.txt
        x.txt
        y.txt

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

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1/task1 (master)
$ git add a.txt b.txt

mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1/task1 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   a.txt
        new file:   b.txt

Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    ../New Text Document.txt
        deleted:    ../a.txt
        deleted:    ../b.txt
        deleted:    ../c.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        New Text Document.txt
        c.txt
        x.txt
        y.txt


mohit@LAPTOP-H5M4BPD1 MINGW64 ~/task-1/task1 (master)
$ git reset .\a.txt
```

GIT HUB LINK:

https://github.com/mohimohith/Cognizance