GANESH KRISHNA.R

21017

CSE-A

CREATING REPOSITORY:

```
ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (2)
$ git config user.email "ch.en.u4cse21017@ch.students.amrita.edu"
```

```
ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (2)
$ git config user.name "GANESHKRISHNA-BOP"
```

```
ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (2)
$ git init
Reinitialized existing Git repository in C:/Users/ganes/Cognizance/.git/

ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (2)
$ git add Task-1
```

```
ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (2)
$ git commit -m "first commit"
[2 (root-commit) d3bb1e6] first commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Task-1/file1.txt
```

GIT ADD:

```
ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (2)
$ git add Task-1
```

Git checkout:

```
ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (main)
$ git checkout 2
Switched to branch '2'
A       Cognizance
```

Git checkout –b

```
ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (2)
$ git checkout -b main
Switched to a new branch 'main'
```

Git clone:

```
Cloning into 'cognizance'...
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Total 4 (delta 0), reused 4 (delta 0), pack-reused 0
Receiving objects: 100% (4/4), done.
```

Git commit:

```
$ git commit
On branch master
Your branch is up to date with 'origin/master'.
```

Git commit –a:

```
ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (2)
$ git commit -a
Aborting commit due to empty commit message.
```

```
$ git commit -a
[master f1749a4] anges made
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 add.txt
 create mode 100644 many.txt
```

Git fetch:

```
$ git fetch
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (4/4), 677 bytes | 13.00 KiB/s, done.
From https://github.com/riyatomar9/cognizance
   b2011cf..b04c6b9  master     -> origin/master
```

Git checkout:

```
ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (2)
$ git checkout main
Switched to branch 'main'
A        Cognizance
A        add.txt
A        many.txt

ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (main)
$ touch test.txt

ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (main)
$ git add "test.txt"

ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (main)
$ git commit -m "Second commit"
[main cd6d372] Second commit
 4 files changed, 1 insertion(+)
 create mode 160000 Cognizance
 create mode 100644 add.txt
 create mode 100644 many.txt
 create mode 100644 test.txt

ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (main)
$ git remote add origin https://github.com/GANESHKRISHNA-BOP/Cognizance.git

ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (main)
$ git push -u origin 2
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Writing objects: 100% (4/4), 281 bytes | 281.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for '2' on GitHub by visiting:
remote:        https://github.com/GANESHKRISHNA-BOP/Cognizance/pull/new/2
remote:
To https://github.com/GANESHKRISHNA-BOP/Cognizance.git
 * [new branch]      2 -> 2
branch '2' set up to track 'origin/2'.

ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (main)
$ git merge 2
Already up to date.
```

Git pull:

```
ganes@LAPTOP-CCTD0Q3A MINGW64 ~/Cognizance (main)
$ 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
Unpacking objects: 100% (3/3), 602 bytes | 86.00 KiB/s, done.
From https://github.com/GANESHKRISHNA-BOP/Cognizance
 * [new branch]      main         -> origin/main
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.

    git pull <remote> <branch>

If you wish to set tracking information for this branch you can do so with:

    git branch --set-upstream-to=origin/<branch> main
```

Git push:

```
ganes@LAPTOP-CCTDOQ3A MINGW64 ~/Cognizance (main)
$ git push -u origin 2
Everything up-to-date
branch '2' set up to track 'origin/2'.
```

Git reset:

```
ganes@LAPTOP-CCTDOQ3A MINGW64 ~/Cognizance (main)
$ git reset --hard
HEAD is now at cd6d372 Second commit
```

Git rebase:

```
ganes@LAPTOP-CCTDOQ3A MINGW64 ~/Cognizance (main)
$ git rebase
There is no tracking information for the current branch.
Please specify which branch you want to rebase against.
See git-rebase(1) for details.

    git rebase '<branch>'

If you wish to set tracking information for this branch you can do so with:

    git branch --set-upstream-to=<remote>/<branch> main

ganes@LAPTOP-CCTDOQ3A MINGW64 ~/Cognizance (main)
$ git rebase 2
Current branch main is up to date.

ganes@LAPTOP-CCTDOQ3A MINGW64 ~/Cognizance (main)
$ git rebase main
Current branch main is up to date.
```