



AMRITA
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CLASS = CSE - A

1. Create a repository with name "Cognizance" on GitHub using Git Bash.

```
PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance
$ git init
Initialized empty Git repository in C:/Users/PRATISH & DARSHANA/Desktop/Cognizance/.git/

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (master)
$ git config user.name "Pratish03"

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (master)
$ git config user.email "pratish0607@gmail.com"

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (master)
$ git add "Task 1"

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (master)
$ git remote add origin https://github.com/Pratish03/cognizance.git

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (master)
$ git push -u origin master
error: src refspec master does not match any
error: failed to push some refs to 'https://github.com/Pratish03/cognizance.git'

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (master)
$ git commit -m "initial"
[master (root-commit) 11bea5e] initial
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Task 1/1.txt

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (master)
$ git push -u origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Writing objects: 100% (4/4), 245 bytes | 122.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Pratish03/cognizance.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
```

1 `git add`

```
PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (master)
$ git add "Task 1"
```

```
2 git checkout
```

```
PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (master)
$ git checkout master
Already on 'master'
Your branch is up to date with 'origin/master'.
```

```
3 git checkout -b
```

```
PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (master)
$ git checkout -b branch1
Switched to a new branch 'branch1'
```

```
4 git clone
```

```
PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (branch1)
$ git clone https://github.com/Pratish03/cognizance.git
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.
```

```
5 git commit
```

```
PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (branch1)
$ touch notepad1.txt

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (branch1)
$ git add notepad1.txt

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (branch1)
$ git commit
[branch1 1585eb6] HANGES MADE
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 notepad1.txt
```

```
6 git commit -a
```

```
PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (branch1)
$ touch file1.txt

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (branch1)
$ git add file1.txt

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (branch1)
$ touch file2.txt

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (branch1)
$ git add file2.txt

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (branch1)
$ git commit -a
[branch1 1ea7657] CHANGES MADE
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 file1.txt
 create mode 100644 file2.txt
```

```
7 git fetch
```

```
PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (branch1)
$ 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), 673 bytes | 19.00 KiB/s, done.
From https://github.com/Pratish03/cognizance
  11bea5e..047bb51  master      -> origin/master
```

```
8 git merge
```

```
PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (branch1)
$ touch html.txt

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (branch1)
$ git add html.txt

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (branch1)
$ git checkout master
Switched to branch 'master'
A     html.txt
Your branch is behind 'origin/master' by 1 commit, and can be fast-forwarded.
  (use "git pull" to update your local branch)

PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (master)
$ git merge branch1
Updating 11bea5e..1ea7657
Fast-forward
  file1.txt    | 0
  file2.txt    | 0
  notepad1.txt | 0
  3 files changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 file1.txt
  create mode 100644 file2.txt
  create mode 100644 notepad1.txt
```

```
9 git pull
```

```
PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (master)
$ git pull
Merge made by the 'ort' strategy.
 Task 1/1.txt | 1 +
 1 file changed, 1 insertion(+)
```

```
10 git push
```

```
PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (master)
$ git push -u origin master
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 778 bytes | 389.00 KiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), done.
To https://github.com/Pratish03/cognizance.git
  047bb51..0d930e2 master -> master
branch 'master' set up to track 'origin/master'.
```

```
11 git reset
```

```
PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (master)
$ git reset --hard
HEAD is now at 0d930e2 Merge branch 'master' of https://github.com/Pratish03/cognizance
```

```
12 git rebase
```

```
PRATISH & DARSHANA@DESKTOP-MRNCPP6 MINGW64 ~/Desktop/Cognizance (master)
$ git rebase master
Current branch master is up to date.
```

13 git fork

The screenshot shows a GitHub repository page. At the top, there's a navigation bar with links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. Below the navigation bar, the repository name 'Pratish03 / Cognizance-1' is displayed, along with a 'Public' badge. It also says 'forked from pradeesh2003/Cognizance'. On the right side of the header, there are buttons for 'Pin', 'Watch', 'Fork', and 'Star'. Below the header, there's a menu bar with options: 'Code' (which is underlined), 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. Under the 'Code' menu, it shows 'master' branch, '1 branch', and '0 tags'. To the right of this, there are buttons for 'Go to file', 'Add file', and 'Code'. A message below the menu says 'This branch is up to date with pradeesh2003:master.' with buttons for 'Contribute' and 'Fetch upstream'. The main content area shows a list of commits by user 'pradeesh2003':

File	Message	Time
Task1	Update Text doc.txt	1 hour ago
file1	CHANGES MADE	1 hour ago
file2	CHANGES MADE	1 hour ago
many.txt	HANGES MADE	1 hour ago

Below the commit list, there's a note: 'Help people interested in this repository understand your project by adding a README.' with a 'Add a README' button. To the right, there's an 'About' section with details: 'This is a cognition repository', '0 stars', '0 watching', and '1 fork'. There's also a 'Releases' section with a note 'No releases published' and a 'Create a new release' link. At the bottom right, there's a 'Packages' section with a note 'Activate Windows' and 'No packages published'.

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

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

```
PRATISH & DARSHANA@DESKTOP-MRNCP6 MINGW64 ~/Desktop/Cognizance (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/PRATISH & DARSHANA/.gitconfig      user.name=Pratish S
file:C:/Users/PRATISH & DARSHANA/.gitconfig      user.email=pratish0607@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          user.name=Pratish03
file:.git/config          user.email=pratish0607@gmail.com
file:.git/config          remote.origin.url=https://github.com/Pratish03/cognizance.git
file:.git/config          remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
file:.git/config          branch.master.remote=origin
file:.git/config          branch.master.merge=refs/heads/master
file:.git/config          branch.branch1.remote=origin
file:.git/config          branch.branch1.merge=refs/heads/branch1
```