

COGNIZANCE

TASK 1 [GIT & GITHUB]

1.Creating a repository

```
MINGW64:/c/Users/DELL/cognizance

DELL@DESKTOP-AF8EFPO MINGW64 ~
$ pwd
/c/Users/DELL

DELL@DESKTOP-AF8EFPO MINGW64 ~
$ mkdir cognizance

DELL@DESKTOP-AF8EFPO MINGW64 ~
$ ls
3D Objects/      Favorites/      NTUSER.DAT      PrintHood@      Videos/
AppData/         IntelGraphicsProfiles/ NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TM.b1f Recent@      'VirtualBox VMs'/
'Application Data'@ 'Kaspersky Internet Security.Ink'* NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TM.Container000000000000000001.regtrans-ms 'Saved Games'/ cognizance/
Contacts/        Links/          NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TM.Container000000000000000002.regtrans-ms Searches/      ntuser.dat.LOG1
Cookies@         'Local Settings'@ NetHood@         SendTo@         ntuser.dat.LOG2
Documents/        Music/          OneDrive/        'Start Menu'@   ntuser.ini
Downloads/        'My Documents'@ 'OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus'/'

DELL@DESKTOP-AF8EFPO MINGW64 ~
$ cd cognizance

DELL@DESKTOP-AF8EFPO MINGW64 ~/cognizance
$ git init
Initialized empty Git repository in C:/Users/DELL/cognizance/.git/

DELL@DESKTOP-AF8EFPO MINGW64 ~/cognizance (master)
$
```

2.git add

```
MINGW64:/c/Users/DELL/cognizance

DELL@DESKTOP-AF8EFPO MINGW64 ~/cognizance (master)
$ touch demo.txt

DELL@DESKTOP-AF8EFPO MINGW64 ~/cognizance (master)
$ git add demo.txt

DELL@DESKTOP-AF8EFPO MINGW64 ~/cognizance (master)
$ git stats
git: 'stats' is not a git command. See 'git --help'.

The most similar command is
    status

DELL@DESKTOP-AF8EFPO MINGW64 ~/cognizance (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   demo.txt

DELL@DESKTOP-AF8EFPO MINGW64 ~/cognizance (master)
$
```

3.git status

```
MINGW64:/c/Users/DELL/cognizance

DELL@DESKTOP-AF8EFPO MINGW64 ~/cognizance (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   demo.txt

DELL@DESKTOP-AF8EFPO MINGW64 ~/cognizance (master)
$
```

4.git commit

```
DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git config --global user.name "priyadh1712"

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git config --global user.email "ch.en.u4cys21059@ch.students.amrita.edu"

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git commit -m "this is my first commit"
[master (root-commit) a4266d9] this is my first commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 myfile1.txt

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ |
```

5.git checkout

```
DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git branch
* master

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git checkout -b develop
Switched to a new branch 'develop'

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (develop)
$ git checkout master
Switched to branch 'master'

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$
```

6.git checkout -b

```

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git checkout -b develop
Switched to a new branch 'develop'

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (develop)
$ git checkout master
Switched to branch 'master'

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$

```

7.git clone

```

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git clone https://github.com/captain-america-7/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 40, done.
remote: Counting objects: 100% (40/40), done.
remote: Compressing objects: 100% (20/20), done.
remote: Total 40 (delta 2), reused 9 (delta 1), pack-reused 0
Receiving objects: 100% (40/40), 476.70 KiB | 1.41 MiB/s, done.
Resolving deltas: 100% (2/2), done.

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$

```

8.git commit -a

```

MINGW64:/c/Users/DELL/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git commit -a
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    ASHOK CV MOD 2022/
    Analyzer.lnk
    Excel.lnk
    LTspice IV.lnk
    Microsoft Teams.lnk
    PC Repair.lnk
    PowerPoint.lnk
    Project Navigator.lnk
    Wi-Fi - Shortcut.lnk
    Word.lnk
    cognizance/
    desktop.ini
    iMPACT.lnk

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

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$

```

9.git push

```

$

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git push origin
Everything up-to-date

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ |

```

10.git merge

MINGW64:/c/Users/DELL/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop

```
DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git merge develop
Already up to date.

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ |
```

11.git pull

MINGW64:/c/Users/DELL/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop

```
DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git pull
Already up to date.

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ |
```

12.git reset

```
DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git reset head myfile1.txt

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ |
```

13.git rebase

MINGW64:/c/Users/DELL/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop

```
DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git rebase master
Current branch master is up to date.

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$
```

14.git fork

```

DELL@DESKTOP-AF8EFP0 MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git fork
git: 'fork' is not a git command. See 'git --help'.

The most similar command is
  fsck

DELL@DESKTOP-AF8EFP0 MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git --help
usage: git [--version] [--help] [-C <path>] [-c <name>=<value>]
      [--exec-path=<path>] [--html-path] [--man-path] [--info-path]
      [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]
      [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
      [--super-prefix=<path>] [--config-env=<name>=<envvar>]
      <command> [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)
  clone      Clone a repository into a new directory
  init       Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)
  add        Add file contents to the index
  mv         Move or rename a file, a directory, or a symlink
  restore    Restore working tree files
  rm         Remove files from the working tree and from the index

examine the history and state (see also: git help revisions)
  bisect     Use binary search to find the commit that introduced a bug
  diff       Show changes between commits, commit and working tree, etc
  grep       Print lines matching a pattern
  log        Show commit logs
  show       Show various types of objects
  status     Show the working tree status

grow, mark and tweak your common history
  branch     List, create, or delete branches
  commit     Record changes to the repository
  merge      Join two or more development histories together
  rebase     Reapply commits on top of another base tip
  reset      Reset current HEAD to the specified state
  switch     Switch branches
  tag        Create, list, delete or verify a tag object signed with GPG

collaborate (see also: git help workflows)
  fetch      Download objects and refs from another repository
  pull       Fetch from and integrate with another repository or a local branch

```

```

MINGW64/c:/Users/DELL/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop
DELL@DESKTOP-AF8EFP0 MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git config --list --show
error: ambiguous option: show- (could be --show-origins or --show-scope)
usage: git config [<options>]

Config file location
  --global      use global config file
  --system      use system config file
  --local       use repository config file
  --worktree    use per-worktree config file
  -f, --file <file> use given config file
  --blob <blob-id> read config from given blob object

Action
  --get         get value: name [value-pattern]
  --get-all    get all values: key [value-pattern]
  --get-regexp  get values for regexp: name-regexp [value-pattern]
  --get-urlmatch get value specific for the URL: section[.var] URL
  --replace-all replace all matching variables: name value [value-pattern]
  --add         add a new variable: name value
  --unset       remove a variable: name [value-pattern]
  --unset-all  remove all matches: name [value-pattern]
  --rename-section rename section: old-name new-name
  --remove-section remove a section: name
  -l, --list    list all
  --fixed-value use string equality when comparing values to 'value-pattern'
  -e, --edit    open an editor
  --get-color   find the color configured: slot [default]
  --get-colorbool find the color setting: slot [stdout-is-tty]

Type
  -t, --type <> value is given this type
  --bool        value is "true" or "false"
  --int         value is decimal number
  --bool-or-int value is --bool or --int
  --bool-or-str value is --bool or string
  --path        value is a path (file or directory name)
  --expiry-date value is an expiry date

Other
  -z, --null    terminate values with NUL byte
  --name-only   show variable names only
  --includes    respect include directives on lookup
  --show-origins show origin of config (file, standard input, blob, command line)
  --show-scope  show scope of config (worktree, local, global, system, command)
  --default <value> with --get, use default value when missing entry

DELL@DESKTOP-AF8EFP0 MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$

```

15.git fetch

```
MINGW64:/c/Users/DELL/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git fetch
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), 606 bytes | 55.00 KiB/s, done.
From https://github.com/priyadh1712/cognizance--task-1
* [new branch]      main      -> origin/main

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ |
```

16.git merge

```
MINGW64:/c/Users/DELL/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ git merge develop
Already up to date.

DELL@DESKTOP-AF8EFPO MINGW64 ~/OneDrive - Amrita Vishwa Vidyapeetham- Chennai Campus/Desktop (master)
$ |
```

By Priya Dharshini- 21059