

Assignment 1 (Git/Git hub)

git config

```
MINGW64:/c/Github demo project

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git config
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-regex]
  --get-all        get all values: key [value-regex]
  --get-regexp      get values for regexp: name-regex [value-regex]
  --get-urlmatch    get value specific for the URL: section[.var] URL
  --replace-all    replace all matching variables: name value [value-regex]
  --add            add a new variable: name value
  --unset          remove a variable: name [value-regex]
  --unset-all      remove all matches: name [value-regex]
  --rename-section  rename section: old-name new-name
  --remove-section remove a section: name
  -l, --list        list all
  -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-origin    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

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$
```

git init

```
MINGW64:/c/Github demo project

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git init
Reinitialized existing Git repository in C:/Github demo project/.git/

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$
```

git status

```
MINGW64:/c/Github demo project

Asus@ASUS-502UF MINGW64 /c/Github demo project (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)
        modified:   demofile2.txt

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

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$
```

git add

```
MINGW64:/c/Github demo project

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git add demofile2.txt

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   demofile2.txt

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$
```

git reset

```
MINGW64:/c/Github demo project

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git add demofile2.txt

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   demofile2.txt

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git reset
Unstaged changes after reset:
M       demofile2.txt

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$
```

git commit

```
MINGW64:/c/Github demo project

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git commit -m "committing demofile2 modified"
[master c652bc3] committing demofile2 modified
1 file changed, 1 insertion(+), 1 deletion(-)

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$
```

git clone

```
MINGW64:/c/Github demo project

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git clone https://github.com/narularajat/Hotwax---System---Git-GitHub-Assignments-.git
Cloning into 'Hotwax---System---Git-GitHub-Assignments-...'
remote: Enumerating objects: 24, done.
remote: Counting objects: 100% (24/24), done.
remote: Compressing objects: 100% (10/10), done.
remote: Total 24 (delta 4), reused 21 (delta 4), pack-reused 0
Receiving objects: 100% (24/24), done.
Resolving deltas: 100% (4/4), done.

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$
```

git log

```
MINGW64:/c/Github demo project

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git log
commit c652bc3c8c380c6a2df5fea49154ec4d99881400 (HEAD -> master)
Author: Rajat Narula <rajatnarula87@gmail.com>
Date: Sun Nov 29 16:06:13 2020 +0530

    committing demofile2 modified

commit f436f79176026e05b48a16949d7d6a1eb4bfa225 (origin/master, origin/firstbranch, firstbranch)
Author: Rajat Narula <rajatnarula87@gmail.com>
Date: Sun Nov 29 15:54:49 2020 +0530

    adding for rebasing

commit 2640acfb514a47d29213513b76ad0a11d671f807
Author: Rajat Narula <rajatnarula87@gmail.com>
Date: Sun Nov 29 15:51:28 2020 +0530

    modifying in demofile4

commit cd4f35b4c5b5c8fca77900a844fdf4072f34f0e2
Author: Rajat Narula <rajatnarula87@gmail.com>
Date: Sun Nov 29 15:48:04 2020 +0530

    making change in first branch

commit 6b35387076a80a65e3e449b0a4b3354b9323a562
Author: Rajat Narula <rajatnarula87@gmail.com>
Date: Sun Nov 29 15:43:56 2020 +0530

    adding three files

commit 0bb9b97b294cee56133c89e4c0a34b81c19dbe8d
Author: Rajat Narula <rajatnarula87@gmail.com>
Date: Sun Nov 29 15:38:21 2020 +0530

    second commit

commit 9d2ec16ddb11a56c4fe12a4a686b5b8097cbe056
Author: Rajat Narula <rajatnarula87@gmail.com>
Date: Sun Nov 29 15:13:55 2020 +0530

    committing the first demofile

commit 7e1af2099615c3c40f80bc54c018a997955c4793 (origin/main)
Author: narularajat <64327384+narularajat@users.noreply.github.com>
Date: Sun Nov 29 12:39:54 2020 +0530

    Initial commit

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$
```

git remote

```
MINGW64:/c/Github demo project

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git remote add origin https://github.com/narularajat/Hotwax---System---Git-GitHub-Assignments-.git
fatal: remote origin already exists.

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$
```

git branch , git checkout

```
MINGW64:/c/Github demo project

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git branch secondbranch

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git checkout secondbranch
Switched to branch 'secondbranch'

Asus@ASUS-502UF MINGW64 /c/Github demo project (secondbranch)
$
```

git pull

```
MINGW64:/c/Github demo project

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git pull origin master
From https://github.com/narularajat/Hotwax---System---Git-GitHub-Assignments-
 * branch                master      -> FETCH_HEAD
Already up to date.

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$
```

git push

```
MINGW64:/c/Github demo project

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git push origin master
Enumerating objects: 9, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 577 bytes | 577.00 KiB/s, done.
Total 5 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/narularajat/Hotwax---System---Git-GitHub-Assignments-.git
 6a4fbc4..1a342bd master -> master

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$
```


git merge

```
MINGW64:/c/Github demo project

Asus@ASUS-502UF MINGW64 /c/Github demo project (secondbranch)
$ git merge master
Already up to date.

Asus@ASUS-502UF MINGW64 /c/Github demo project (secondbranch)
$ git checkout master
Switched to branch 'master'

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git merge secondbranch
Updating 1a342bd..4e52f17
Fast-forward
 demofile7.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 demofile7.txt

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$
```

git stash

```
MINGW64:/c/Github demo project

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git stash list -a

Asus@ASUS-502UF MINGW64 /c/Github demo project (master)
$ git log
commit 4e52f17b569e5693cd37d209b4e4749206b48941 (HEAD -> master, secondbranch)
Merge: 17980d4 1a342bd
Author: Rajat Narula <rajatnarula87@gmail.com>
Date: Sun Nov 29 16:33:10 2020 +0530

    committing demofile7 to second banch

commit 1a342bd44f8cefb3d548350d440b54717092b66d (origin/master)
Merge: c652bc3 6a4fbc4
Author: Rajat Narula <rajatnarula87@gmail.com>
Date: Sun Nov 29 16:29:28 2020 +0530

    Merge branch 'master' of https://github.com/narularajat/Hotwax---System---Git-GitHub-Assignments-

commit 17980d4fd60a657e0becddc88c2492963a3de905
Merge: c652bc3 6a4fbc4
Author: Rajat Narula <rajatnarula87@gmail.com>
Date: Sun Nov 29 16:28:22 2020 +0530

    Merge branch 'master' of https://github.com/narularajat/Hotwax---System---Git-GitHub-Assignments- into secondbranch

commit 6a4fbc489078b102e6c8d079d47f12653122e47e
Author: narularajat <64327384+narularajat@users.noreply.github.com>
Date: Sun Nov 29 16:09:09 2020 +0530

    Create csaafaf

commit c652bc3c8c380c6a2df5fea49154ec4d99881400
Author: Rajat Narula <rajatnarula87@gmail.com>
Date: Sun Nov 29 16:06:13 2020 +0530

    committing demofile2 modified

commit f436f79176026e05b48a16949d7d6a1eb4bfa225 (origin/firstbranch, firstbranch)
Author: Rajat Narula <rajatnarula87@gmail.com>
Date: Sun Nov 29 15:54:49 2020 +0530

    adding for rebasing

commit 2640acfb514a47d29213513b76ad0a11d671f807
Author: Rajat Narula <rajatnarula87@gmail.com>
Date: Sun Nov 29 15:51:28 2020 +0530

    modifying in demofile4

commit cd4f35b4c5b5c8fca77900a844fdf4072f34f0e2
Author: Rajat Narula <rajatnarula87@gmail.com>
Date: Sun Nov 29 15:48:04 2020 +0530

    making change in first branch
```