

## **Git Init**

```
suhai@DESKTOP-C69A5LF MINGW64 ~/Project2 (main)
$ git init
Reinitialized existing Git repository in C:/Users/suhai/Project2/.git/
```

---

## **Git Status**

```
suhai@DESKTOP-C69A5LF MINGW64 ~/Project2 (master)
$ git status
On branch master
```

No commits yet

```
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   assignment1/task1/task1.md
```

## **Git Commit**

```
suhai@DESKTOP-C69A5LF MINGW64 ~/Project2 (master)
$ git commit -m "messages"
[master (root-commit) f8f0987] messages
 1 file changed, 1 insertion(+)
 create mode 100644 assignment1/task1/task1.md
```

## **Git Push**

```
suhai@DESKTOP-C69A5LF MINGW64 ~/Project2 (main)
$ git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Writing objects: 100% (5/5), 299 bytes | 1024 bytes/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Suhaib-88/gitAssignments.git
 * [new branch]      main -> main
```

## **Git Branch**

```
suhai@DESKTOP-C69A5LF MINGW64 ~/Project2 (master)
$ git branch -M main
```

```
suhai@DESKTOP-C69A5LF MINGW64 ~/Project2 (main)
$ git branch new_branch
```

```
suhai@DESKTOP-C69A5LF MINGW64 ~/Project2 (main)
$ git branch
* main
  new_branch
```

```
suhai@DESKTOP-C69A5LF MINGW64 ~/Project2 (main)
$ git switch new_branch
Switched to branch 'new_branch'
```

```
suhai@DESKTOP-C69A5LF MINGW64 ~/Project2 (new_branch)
$ git checkout main
Switched to branch 'main'
```

```
suhai@DESKTOP-C69A5LF MINGW64 ~/Project2 (main)
$ git branch -d new_branch
Deleted branch new_branch (was f8f0987).
```

## **Git Merge**

```
suhai@DESKTOP-C69A5LF MINGW64 ~/Project2 (main)
$ git merge new_branch1
Updating f8f0987..5f66073
Fast-forward
 assignment1/task1/task1.md | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)
```

## **Git Log**

```
suhai@DESKTOP-C69A5LF MINGW64 ~/Project2 (main)
$ git log
commit 5f660738daed1aa793b219de5f82db8ac22ca301 (HEAD -> main, origin/new_branch1, origin/main, new_branch1)
Author: suhai <arssub726@gmail.com>
Date:   Wed Oct 12 01:00:56 2022 +0530

    updated

commit f8f0987930086e8968c1896bcec26bba0bab2636
Author: suhai <arssub726@gmail.com>
Date:   Wed Oct 12 00:46:16 2022 +0530
```

## **git config**

```
suhai@DESKTOP-C69A5LF MINGW64 ~/Project2 (main)
$ git config user.email
arssub726@gmail.com
```

```
suhai@DESKTOP-C69A5LF MINGW64 ~/Project2 (main)
$ git config user.name
suhai
```

## **Git tag**

```
suhai@DESKTOP-C69A5LF MINGW64 ~/Project2 (main)
$ git tag 2.33.0
```

