1) Git config command

it456@l411 MINGW64 ~ (master)

$ cd 4thsem

it456@l411 MINGW64 /z/4thsem (master)

$ git config --global user.name "karrashanmukh"

it456@l411 MINGW64 /z/4thsem (master)

$ git config --global user.email [karrashanmukh53@gmail.com](mailto:karrashanmukh53@gmail.com)

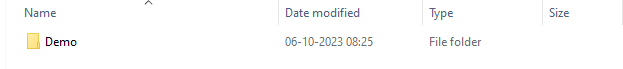
### 2) Git Init command

it456@l411 MINGW64 /z/4thsem (master)

$ git init Demo

**Output:**

Initialized empty Git repository in Z:/4thsem/Demo/.git/

****

it456@l411 MINGW64 /z/4thsem (master)

$ cd Demo

### 3) Git clone command

it456@l411 MINGW64 /z/4thsem/Demo (master)

$ git clone <https://github.com/karrashanmukh/Hospital_Management>

**Output:-**

Cloning into 'Hospital\_Management'...

remote: Enumerating objects: 48, done.

remote: Counting objects: 100% (7/7), done.

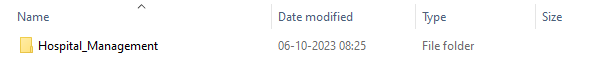
remote: Compressing objects: 100% (4/4), done.

remote: Total 48 (delta 1), reused 7 (delta 1), pack-reused 41

Receiving objects: 100% (48/48), 15.92 MiB | 6.09 MiB/s, done.

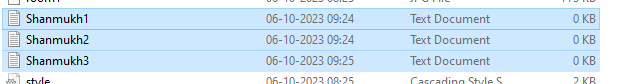
Resolving deltas: 100% (9/9), done.

Updating files: 100% (41/41), done.

****

$ cd Hospital\_Management

### 4) Git add command



it456@l411 MINGW64 /z/4thsem/Demo/Hospital\_Management (main)

$ git add shanmukh1.txt

$ git add shanmukh2.txt

$ git add shanmukh3.txt

### 5) Git commit command

it456@l411 MINGW64 /z/4thsem/Demo/Hospital\_Management (main)

$ Git commit -m "submitted"

[main e9e3efe] submitted

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 shanmukh1.txt

### 6) Git status command

it456@l411 MINGW64 /z/4thsem/Demo/Hospital\_Management (main)

$ git status

On branch main

Your branch is ahead of 'origin/main' by 1 commit.

(use "git push" to publish your local commits)

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

new file: shanmukh1.txt

Untracked files:

(use "git add <file>..." to include in what will be committed)

Shanmukh2.txt

Shanmukh3.txt

### 7) Git push Command

For reflecting the changes in repository, use command “git add .” and then push it. For push use “git push”

it456@l411 MINGW64 /z/4thsem/Demo/Hospital\_Management (main)

$ git add .

it456@l411 MINGW64 /z/4thsem/Demo/Hospital\_Management (main)

$ git push

Everything up-to-date

it456@l411 MINGW64 /z/4thsem/Demo/Hospital\_Management (main)

$ git status

On branch main

Your branch is up to date with 'origin/main'.

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

new file: Shanmukh1.txt

new file: Shanmukh3.txt

### 8) Git pull command

it456@l411 MINGW64 /z/4thsem/Demo/Hospital\_Management (main)

$ git pull https://github.com/karrashanmukh/Hospital\_Management.git

From https://github.com/karrashanmukh/Hospital\_Management

\* branch HEAD -> FETCH\_HEAD

Already up to date.

### 9) Git Branch Command

it456@l412 MINGW64 /z/4thsem/demo2/Hospital\_Management (main)

$ git branch

**Output:-**

\* main

### 10) Git Merge Command

it456@l412 MINGW64 /z/4thsem/demo2/Hospital\_Management (main)

$ git merge BranchName

**Output**:-

merge: BranchName - not something we can merge

### 11) Git log Command

it456@l412 MINGW64 /z/4thsem/demo2/Hospital\_Management (main)

$ git log

**Output:-**

commit 01c6deb29c04067dc862f6f9f9e283149afb4329 (HEAD -> main, origin/main, origin/HEAD)

Author: karrashanmukh <karrashanmukh53@gmail.com>

Date: Fri Oct 13 08:59:59 2023 +0530

submitted

commit 3c88cc1dc34b83930a545f0c04ab07c23fec762f

Author: karrashanmukh <karrashanmukh53@gmail.com>

Date: Fri Oct 6 09:46:02 2023 +0530

mess

commit 0d6105a2c9d95b02f4672969d8bb64a7a837906f

Author: karrashanmukh <karrashanmukh53@gmail.com>

Date: Fri Oct 6 09:14:29 2023 +0530

commit1

commit e9e3efe024faf7ff24e7a241df6dc5d430084f55

Author: karrashanmukh <karrashanmukh53@gmail.com>

Date: Fri Oct 6 08:55:15 2023 +0530

submitted

commit 7d57a64cb050e132f51ef5ca993fb1033f797b8a

Author: karrashanmukh53@gmail.com <karrashanmukh53@gmail.com>

Date: Fri Sep 22 09:05:20 2023 +0530

added file

commit 3b9487ad32e9cf2c8fc339e4a01b552ddaef73c7 (origin/ab)

Author: karrashanmukh <137036377+karrashanmukh@users.noreply.github.com>

Date: Fri Sep 1 09:37:54 2023 +0530

Create launch.json

commit d264d598a913d9692ba5c3b5aa2ccd82ea963a72

Author: karrashanmukh <137036377+karrashanmukh@users.noreply.github.com>

Date: Fri Sep 1 09:38:29 2023 +0530

Add files via upload

it456@l412 MINGW64 /z/4thsem/demo2/Hospital\_Management (main)

$ git log -3

**Output:**-

commit 01c6deb29c04067dc862f6f9f9e283149afb4329 (HEAD -> main, origin/main, origin/HEAD)

Author: karrashanmukh <karrashanmukh53@gmail.com>

Date: Fri Oct 13 08:59:59 2023 +0530

submitted

commit 3c88cc1dc34b83930a545f0c04ab07c23fec762f

Author: karrashanmukh <karrashanmukh53@gmail.com>

Date: Fri Oct 6 09:46:02 2023 +0530

mess

commit 0d6105a2c9d95b02f4672969d8bb64a7a837906f

Author: karrashanmukh <karrashanmukh53@gmail.com>

Date: Fri Oct 6 09:14:29 2023 +0530

commit1

### 12) Git remote Command

it456@l412 MINGW64 /z/4thsem/demo2/Hospital\_Management (main)

$ git remote

origin

it456@l412 MINGW64 /z/4thsem/demo2/Hospital\_Management (main)

$ git remote -v

origin https://github.com/karrashanmukh/Hospital\_Manage

ment (fetch)

origin https://github.com/karrashanmukh/Hospital\_Manage

ment (push)

## Git Remote Add

$ git remote add **karra** <https://github.com/karrashanmukh/Hospital_Management>

**Output:-**

it456@l412 MINGW64 /z/4thsem/demo2/Hospital\_Management (main)

$ git remote –v

**karra** https://github.com/karrashanmukh/Hospital\_Management (fetch)

**karra** https://github.com/karrashanmukh/Hospital\_Management (push)

origin https://github.com/karrashanmukh/Hospital\_Management (fetch)

origin https://github.com/karrashanmukh/Hospital\_Management (push)

In the above output, I have added a remote repository with an existing repository as a short name "**karra**". Now, you can use "**karra**" on the command line in place of the whole URL. For example, you want to pull the repository, consider below output

it456@l412 MINGW64 /z/4thsem/demo2/Hospital\_Management (main)

$ git pull karra

From https://github.com/karrashanmukh/Hospital\_Management

\* [new branch] ab -> karra/ab

\* [new branch] main -> karra/main

You asked to pull from the remote 'karra', but did not specify

a branch. Because this is not the default configured remote

for your current branch, you must specify a branch on the command line.

## Git Remove Remote

it456@l412 MINGW64 /z/4thsem/demo2/Hospital\_Management (main)

$ git remote –v

**Output:-**

karra https://github.com/karrashanmukh/Hospital\_Management (fetch)

karra https://github.com/karrashanmukh/Hospital\_Management (push)

origin https://github.com/karrashanmukh/Hospital\_Management (fetch)

origin https://github.com/karrashanmukh/Hospital\_Management (push)

The above output will list the available remote server. Now, perform the remove operation as mentioned above. Consider the below output:

it456@l412 MINGW64 /z/4thsem/demo2/Hospital\_Management (main)

$ git remote remove origin

it456@l412 MINGW64 /z/4thsem/demo2/Hospital\_Management (main)

$ git remote -v

karra https://github.com/karrashanmukh/Hospital\_Management (fetch)

karra https://github.com/karrashanmukh/Hospital\_Management (push)

## Git Remote Rename

**Syntax:**

$ git remote rename <old name><**new** name>

**Output:-**

it456@l412 MINGW64 /z/4thsem/demo2/Hospital\_Management (main)

$ git remote rename karra shanmukh

Renaming remote references: 100% (2/2), done.

it456@l412 MINGW64 /z/4thsem/demo2/Hospital\_Management (main)

$ git remote -v

shanmukh https://github.com/karrashanmukh/Hospital\_Management (fetch)

shanmukh https://github.com/karrashanmukh/Hospital\_Management (push)

In the above output, I have renamed my default server name origin to hd. Now, I can operate using this name in place of origin. Consider the below output: