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Application of git

At first we have to create repository on github.
And we have to pull that repository to local git.

```
MINGW64/c/Users/ASUS/git-project
ntuser.ini

ASUS@DESKTOP-6NI9QUN MINGW64 ~ (master)
$ mkdir git-project

ASUS@DESKTOP-6NI9QUN MINGW64 ~ (master)
$ cd git-project/

ASUS@DESKTOP-6NI9QUN MINGW64 ~/git-project (master)
$ git init .
Initialized empty Git repository in C:/Users/ASUS/git-project/.git/

ASUS@DESKTOP-6NI9QUN MINGW64 ~/git-project (master)
$ git remote

ASUS@DESKTOP-6NI9QUN MINGW64 ~/git-project (master)
$ git remote add https://github.com/MandarChincholkar/GitProject.git
usage: git remote add [<options>] <name> <url>

    -f, --fetch           fetch the remote branches
    --tags               import all tags and associated objects when fetching
                        or do not fetch any tag at all (--no-tags)
    -t, --track <branch> branch(es) to track
    -m, --master <branch> master branch
    --mirror[=(push|fetch)]
                        set up remote as a mirror to push to or fetch from

ASUS@DESKTOP-6NI9QUN MINGW64 ~/git-project (master)
$ git remote add origin https://github.com/MandarChincholkar/GitProject.git

ASUS@DESKTOP-6NI9QUN MINGW64 ~/git-project (master)
$ |
```

After connecting current project to git project, create new file named file1.txt. And add some lines to it.

```
MINGW64/c/Users/ASUS/git-project
ASUS@DESKTOP-6NI9QUN MINGW64 ~/git-project (master)
$ touch file1.txt

ASUS@DESKTOP-6NI9QUN MINGW64 ~/git-project (master)
$ cat >> file1.txt
this is a new file.

ASUS@DESKTOP-6NI9QUN MINGW64 ~/git-project (master)
$ |
```

Then at first add the files to staging area and commit the changes to staging area.

```
MINGW64/c/Users/ASUS/git-project
ASUS@DESKTOP-6NI9QUN MINGW64 ~/git-project (master)
$ git add file1.txt
warning: in the working copy of 'file1.txt', LF will be replaced by CRLF the next time Git touches it

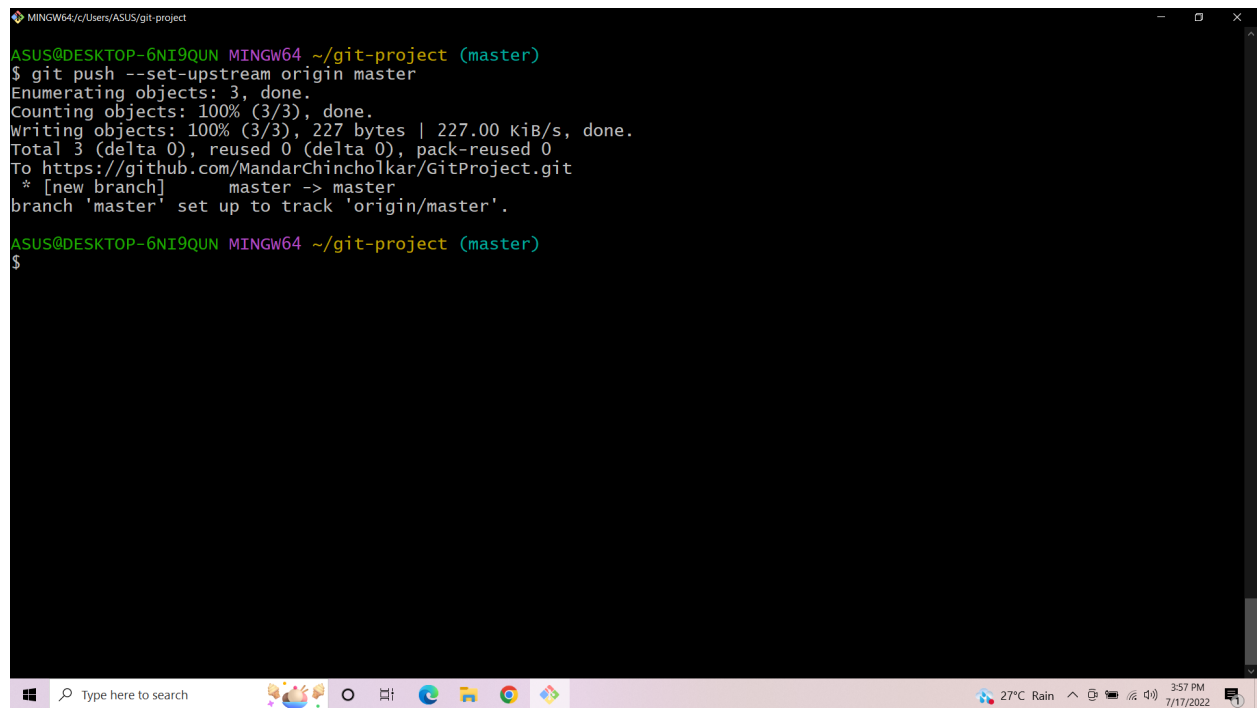
ASUS@DESKTOP-6NI9QUN MINGW64 ~/git-project (master)
$ git commit file1.txt
warning: in the working copy of 'file1.txt', LF will be replaced by CRLF the next time Git touches it
hint: waiting for your editor to close the file... unix2dos: converting file C:/Users/ASUS/git-project/.git/COMMIT_EDITMSG to DOS format...
dos2unix: converting file C:/Users/ASUS/git-project/.git/COMMIT_EDITMSG to Unix format...
Aborting commit due to empty commit message.

ASUS@DESKTOP-6NI9QUN MINGW64 ~/git-project (master)
$ git commit -m "first commit" file1.txt
error: pathspec '-' did not match any file(s) known to git
error: pathspec 'm' did not match any file(s) known to git
error: pathspec 'first commit' did not match any file(s) known to git

ASUS@DESKTOP-6NI9QUN MINGW64 ~/git-project (master)
$ git commit -m "first commit" file1.txt
warning: in the working copy of 'file1.txt', LF will be replaced by CRLF the next time Git touches it
[master (root-commit) 58e32ad] first commit
1 file changed, 1 insertion(+)
create mode 100644 file1.txt

ASUS@DESKTOP-6NI9QUN MINGW64 ~/git-project (master)
$
```

After committing , push the file to remote repository.



```
ASUS@DESKTOP-6NI9QUN MINGW64 ~/git-project (master)
$ git push --set-upstream origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 227 bytes | 227.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/MandarChincholkar/GitProject.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.

ASUS@DESKTOP-6NI9QUN MINGW64 ~/git-project (master)
$
```

The screenshot shows a Windows terminal window with a dark background. The title bar at the top reads 'MINGW64/c/Users/ASUS/git-project'. The terminal displays the output of a 'git push' command. The output indicates that 3 objects were enumerated and counted, and 227 bytes were written. The push was successful, creating a new branch 'master' that tracks 'origin/master'. The prompt then returns to the user's shell.

This is how we can use git in collaboration with github.