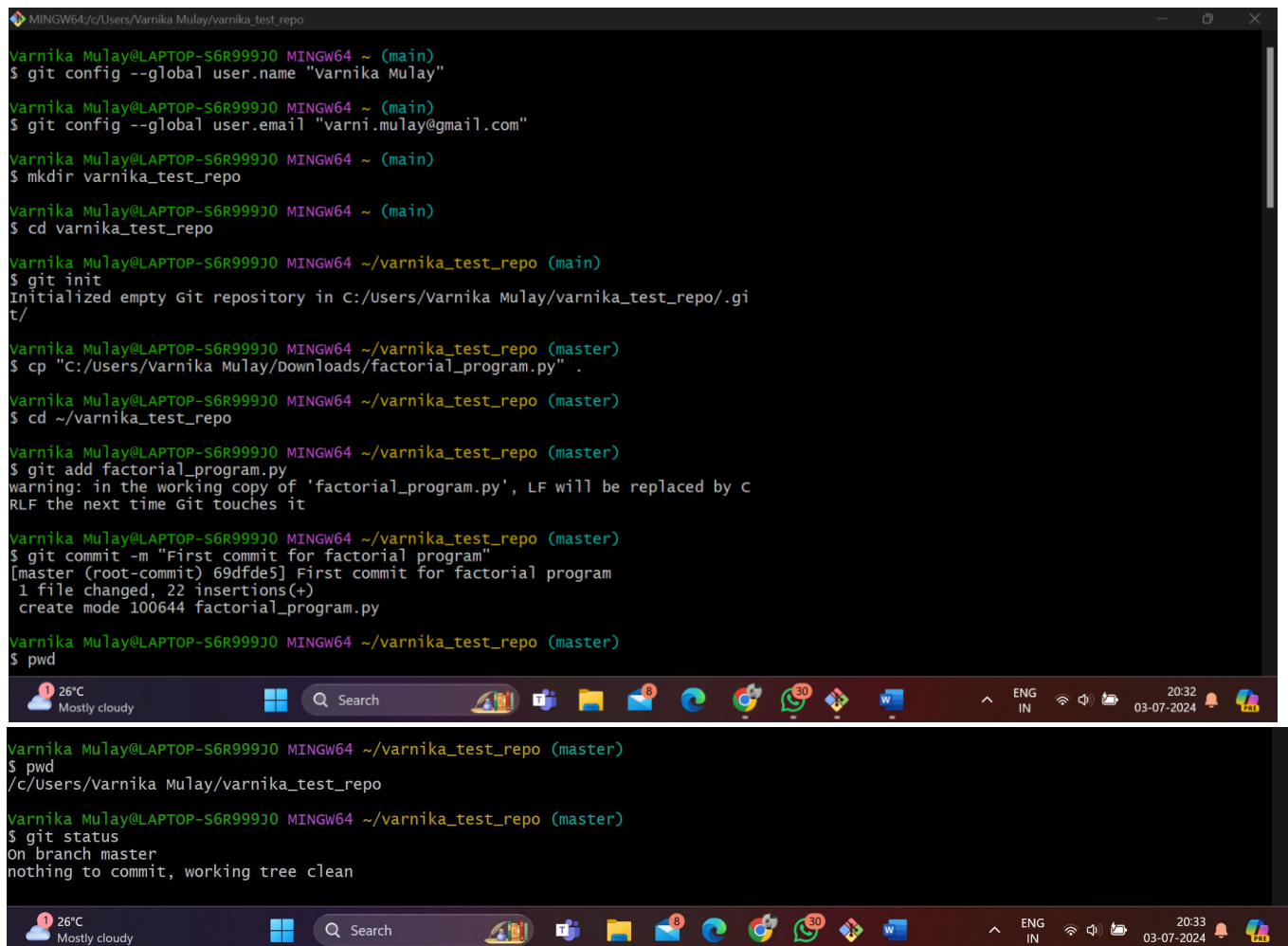


Varnika Mulay

Git commands test

Problem statement (proceed with all above functions)

1. Create repository fresh repository by git only and upload file by using git only and do below functions on same. And document each function with screenshot.



```
MINGW64~/c:/Users/Varnika Mulay/varnika_test_repo
Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~ (main)
$ git config --global user.name "Varnika Mulay"

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~ (main)
$ git config --global user.email "varni.mulay@gmail.com"

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~ (main)
$ mkdir varnika_test_repo

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~ (main)
$ cd varnika_test_repo

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (main)
$ git init
Initialized empty Git repository in C:/Users/Varnika Mulay/varnika_test_repo/.git/

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ cp "C:/Users/Varnika Mulay/downloads/factorial_program.py" .

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ cd ~/varnika_test_repo

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ git add factorial_program.py
warning: in the working copy of 'factorial_program.py', LF will be replaced by CRLF the next time Git touches it

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ git commit -m "First commit for factorial program"
[master (root-commit) 69dfde5] First commit for factorial program
1 file changed, 22 insertions(+)
create mode 100644 factorial_program.py

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ pwd
/c:/Users/Varnika Mulay/varnika_test_repo

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ git status
On branch master
nothing to commit, working tree clean
```

Functions :

a. Run the program and project by git

```
MINGW64/c/Users/Varnika Mulay/varnika_test_repo
/c/Users/varnika Mulay/varnika_test_repo

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ git status
On branch master
nothing to commit, working tree clean

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ python factorial_program.py
Enter number: 7
Factorial of 7 is: 5040

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ python factorial_program.py
Enter number: 0
Factorial of 0 is 1

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ python factorial_program.py
Enter number: -1
Negative number!

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ cp "c:/Users/Varnika Mulay/Downloads/varnika_git_test.pdf" .

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ git add varnika_git_test.pdf

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ git commit -m "Uploading PDF file"
[master 70c8f21] Uploading PDF file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 varnika_git_test.pdf

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ git push
fatal: No configured push destination.
```

b. Add any one pdf file from your local to GitHub by git

```
MINGW64/c/Users/Varnika Mulay/varnika_test_repo

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ cp "c:/Users/Varnika Mulay/Downloads/varnika_git_test.pdf" .

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ git add varnika_git_test.pdf

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ git commit -m "Uploading PDF file"
[master 70c8f21] Uploading PDF file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 varnika_git_test.pdf

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ git push
fatal: No configured push destination.
Either specify the URL from the command-line or configure a remote repository using

    git remote add <name> <url>

and then push using the remote name

    git push <name>

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ git remote add origin "https://github.com/Varnika-M-2004/varnika_test_repo"

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ git remote add origin https://github.com/Varnika-M-2004/varnika_test_repo.git
error: remote origin already exists.

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ git push -u origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 4 threads
```

```
MINGW64/c:/Users/Varnika Mulay/varnika_test_repo
Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ git push -u origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 32.50 KiB | 2.95 MiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Varnika-M-2004/varnika_test_repo
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ ls
factorial_program.py  varnika_git_test.pdf

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ cd "c:/Users/Varnika Mulay/Downloads"

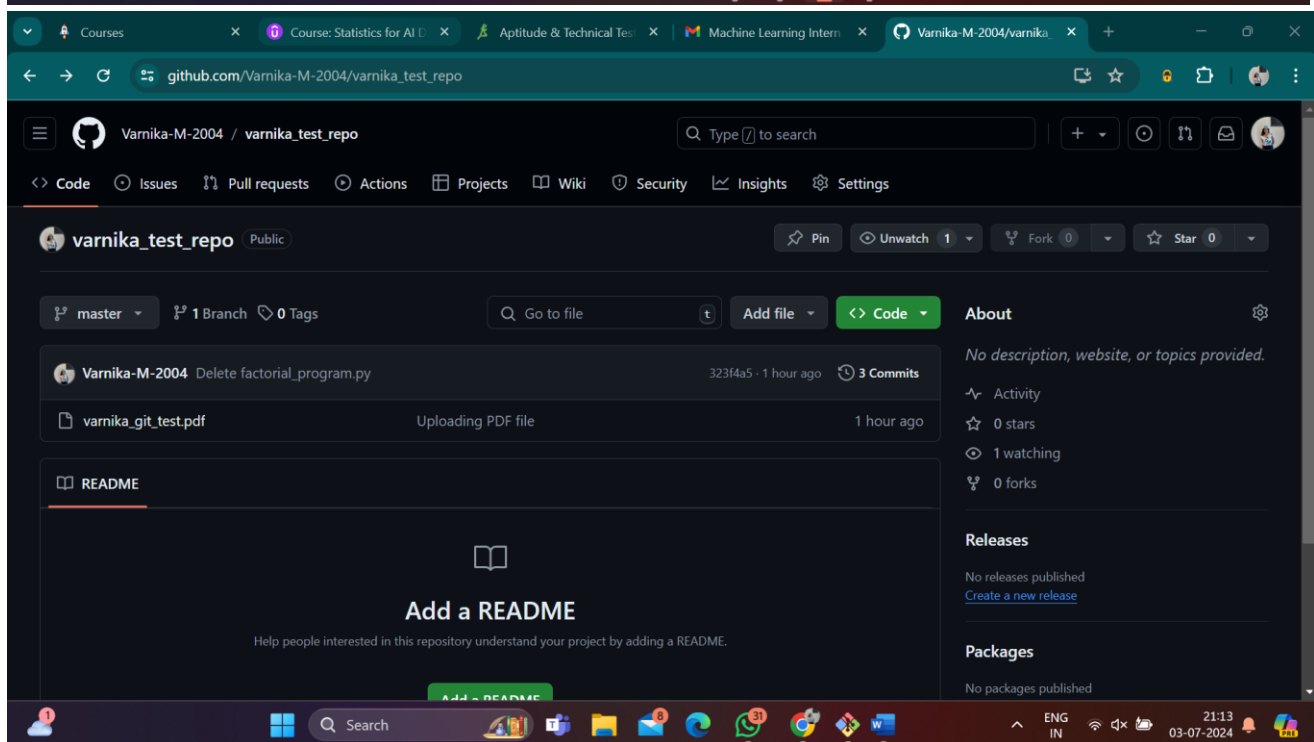
Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads (master)
$ git init varnika_new_repo
Initialized empty Git repository in c:/Users/Varnika Mulay/Downloads/varnika_new_repo/.git/

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads (master)
$ cd varnika_new_repo

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/varnika_new_repo (master)
$ echo "This is the task of cloning a new repo!" > README.md

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/varnika_new_repo (master)
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/varnika_new_repo (master)
```



c. Clone any one program in same repository by git

Or you can clone any new repository too

```
MINGW64/c/Users/Varnika Mulay/varnika_test_repo
factorial_program.py  varnika_git_test.pdf

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ cd "C:/Users/Varnika Mulay/Downloads"

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads (master)
$ git init varnika_new_repo
Initialized empty Git repository in C:/Users/Varnika Mulay/Downloads/varnika_new_repo/.git/

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads (master)
$ cd varnika_new_repo

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/varnika_new_repo (master)
$ echo "This is the task of cloning a new repo!" > README.md

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/varnika_new_repo (master)
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/varnika_new_repo (master)
$ git commit -m "Varnika's first commit"
[master (root-commit) 06209cd] Varnika's first commit
1 file changed, 1 insertion(+)
create mode 100644 README.md

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/varnika_new_repo (master)
$ cd ~/varnika_test_repo

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ git clone ~/Downloads/varnika_new_repo
Cloning into 'varnika_new_repo'...
done.

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ |
```

Problem statement 2{create new repo for this}

Environment variables shouldn't get uploaded on GitHub so how will you delete the environment file while uploading codebase on GitHub?

Change any line in code and do commit in any file of repository.

```
MINGW64~/Users/Varnika Mulay/Downloads/env_variables_repo
Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/varnika_test_repo (master)
$ cd ~/Downloads

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads (master)
$ git init env_variables_repo
Initialized empty Git repository in c:/Users/Varnika Mulay/Downloads/
env_variables_repo/.git/

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads (master)
$ cd ~/Downloads/env_variables_repo

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ touch .env

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ notepad .env

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ touch .gitignore

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ nano .gitignore

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ nano .gitignore

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ git add .gitignore
warning: in the working copy of '.gitignore', LF will be replaced by
CRLF the next time git touches it
```

```
Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ git add .gitignore
warning: in the working copy of '.gitignore', LF will be replaced by
CRLF the next time git touches it

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ git commit -m "Adding .gitignore to ignore .env file"
[master (root-commit) 27729e8] Adding .gitignore to ignore .env file
1 file changed, 2 insertions(+)
create mode 100644 .gitignore
```

```
MINGW64~/Users/Varnika Mulay/Downloads/env_variables_repo
Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ git remote -v
origin https://github.com/Varnika-M-2004/varnika_test_repo.git (fetc
h)
origin https://github.com/Varnika-M-2004/varnika_test_repo.git (push
)

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ git remote remove origin

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ git remote add origin https://github.com/Varnika-M-2004/varnika_env
_variables_repo.git

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ git remote -v
origin https://github.com/Varnika-M-2004/varnika_env_variables_repo.
git (fetch)
origin https://github.com/Varnika-M-2004/varnika_env_variables_repo.
git (push)

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 281 bytes | 140.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Varnika-M-2004/varnika_env_variables_repo.git
 * [new branch] master -> master
branch 'master' set up to track 'origin/master'.

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ ls
```

```
MINGW64~/Users/Varnika Mulay/Downloads/env_variables_repo
Varnika_Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ touch env_var_example_file.txt

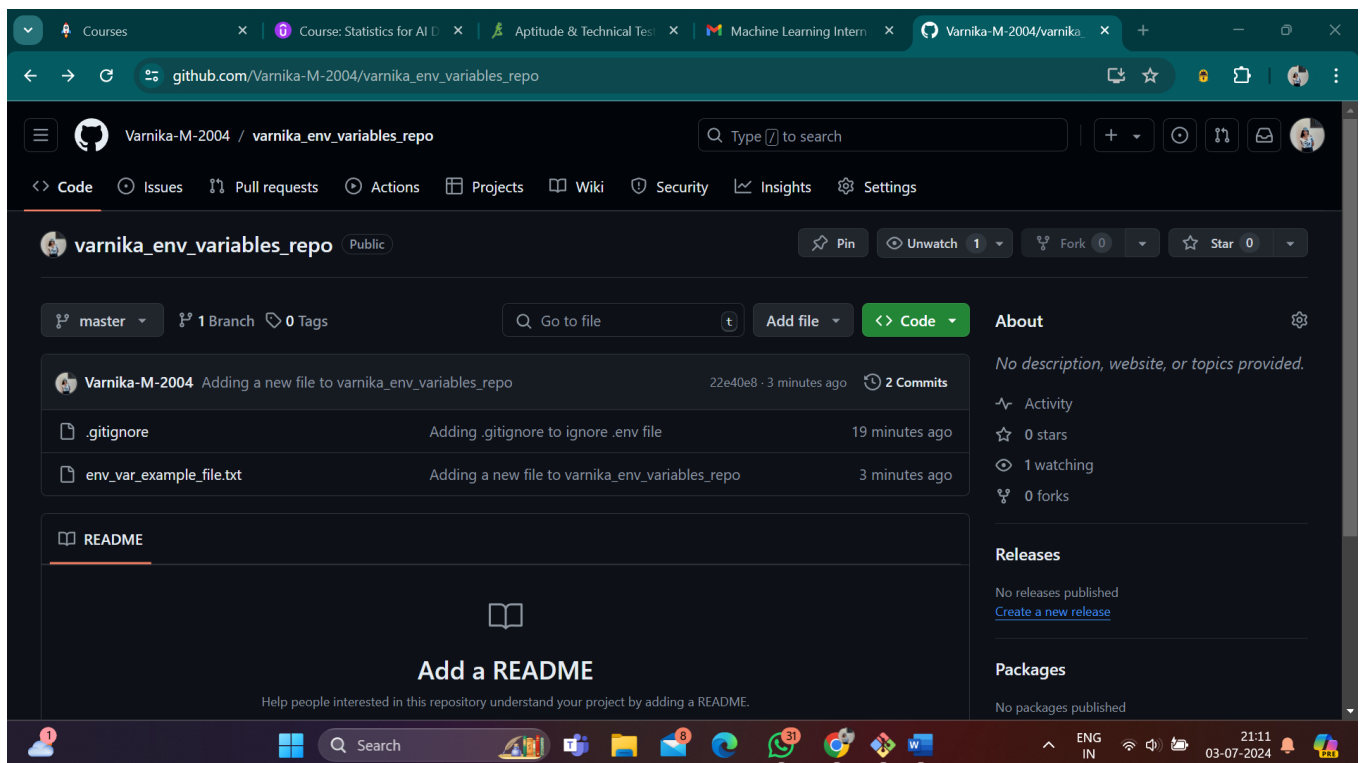
Varnika_Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ notepad env_var_example_file.txt

Varnika_Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ git add env_var_example_file.txt

Varnika_Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ git commit -m "Adding a new file to varnika_env_variables_repo"
[master 22e40e8] Adding a new file to varnika_env_variables_repo
1 file changed, 1 insertion(+)
create mode 100644 env_var_example_file.txt

Varnika_Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ git remote -v
origin https://github.com/Varnika-M-2004/varnika_env_variables_repo.
git (fetch)
origin https://github.com/Varnika-M-2004/varnika_env_variables_repo.
git (push)

Varnika_Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ git push -u origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 413 bytes | 413.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Varnika-M-2004/varnika_env_variables_repo.git
27729e8..22e40e8 master -> master
branch 'master' set up to track 'origin/master'.
```




```
MINGW64/c/Users/Varnika_Mulay/Downloads/env_variables_repo
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Varnika-M-2004/varnika_env_variables_repo.git
  27729e8..22e40e8  master -> master
branch 'master' set up to track 'origin/master'.

Varnika_Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo
(master)
$ touch test_program.py

Varnika_Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo (master)
$ notepad test_program.py

Varnika_Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo (master)
$ git add test_program.py

Varnika_Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo (master)
$ git commit -m "Adding test_program.py to varnika_env_variables_repo"
[master 161a1e9] Adding test_program.py to varnika_env_variables_repo
1 file changed, 1 insertion(+)
create mode 100644 test_program.py

Varnika_Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo (master)
$ git remote -v
origin https://github.com/Varnika-M-2004/varnika_env_variables_repo.git (fetch)
origin https://github.com/Varnika-M-2004/varnika_env_variables_repo.git (push)

Varnika_Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo (master)
$ git push -u origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 400 bytes | 200.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Varnika-M-2004/varnika_env_variables_repo.git
  22e40e8..161a1e9  master -> master
branch 'master' set up to track 'origin/master'.

Varnika_Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/env_variables_repo (master)
$ |
```

