GIT OPERATIONS

A] SETUP –

```
SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git
$ git config --global user.name "Akshata2002"

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git
$ git config --global user.email "akshata.202184207@vcet.edu.in"

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git
$ git config --global color.ui auto
```

B] INIT –

```
SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git
$ git init
Initialized empty Git repository in F:/akshata/git/.git/
```

C] STAGE & SNAPSHOT –

```
SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git status
On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)
```

```
SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ ls

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ ls
akshata.txt

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git add akshata.txt

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   akshata.txt
```

```
SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git diff

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git diff
diff --git a/akshata.txt b/akshata.txt
index a2e42cf..5c127c2 100644
--- a/akshata.txt
+++ b/akshata.txt
@@ -1 +1,2 @@
-Hello, I am Akshata patil.
\ No newline at end of file
+Hello, I am Akshata patil.
+I am "VCET" student.
\ No newline at end of file
```

```
SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   akshata.txt

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:   akshata.txt


SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git add akshata.txt

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git commit -m "First commit"
[master (root-commit) e3d3d74] First commit
 1 file changed, 2 insertions(+)
 create mode 100644 akshata.txt
```

D] BRANCH & MERGE –

```
SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git branch
* master

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git branch main

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git branch
  main
* master

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git checkout main
Switched to branch 'main'

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (main)
$ git status
On branch main
nothing to commit, working tree clean
```

```
SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (main)
$ git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        image.png

nothing added to commit but untracked files present (use "git add" to track)

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (main)
$ git add --all

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (main)
$ git commit -m "Add new image"
[main bd83428] Add new image
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 image.png

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (main)
$ git checkout master
Switched to branch 'master'

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git merge main
Updating e3d3d74..bd83428
Fast-forward
 image.png | Bin 0 -> 105715 bytes
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 image.png
```

```
SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git log
commit bd83428faca1e9f203b0f7ece6de9128395cca5f (HEAD -> master, main)
Author: Akshata2002 <akshata.202184207@vcet.edu.in>
Date:    Thu Sep 29 21:45:12 2022 +0530

    Add new image

commit e3d3d74e830fecbec2c0d929b4cd35323e1fd6ce
Author: Akshata2002 <akshata.202184207@vcet.edu.in>
Date:    Thu Sep 29 21:38:48 2022 +0530

    First commit
```

E] SHARE TO GITHUB

```
SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git remote add origin https://github.com/Akshata2002/Repo1.git
error: remote origin already exists.

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git remote remove origin

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git remote add origin https://github.com/Akshata2002/Repo1.git

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ git push origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 101.41 KiB | 12.68 MiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Akshata2002/Repo1.git
 * [new branch]      master -> master

SUSHANT@DESKTOP-BGPQS5J MINGW32 /f/akshata/git (master)
$ |
```

master   1 branch   0 tags

Go to file   Add file ▾   Code ▾

Akshata2002 Add new image   bd83428 26 minutes ago   ⏱ 2 commits

akshata.txt   First commit   32 minutes ago

image.png   Add new image   26 minutes ago

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