LOS GIT ASSIGNMENT-2_2141013232

1)Initializing a repository and file

```
mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232
$ git init
Initialized empty Git repository in C:/Users/mohan/OneDrive/Desktop/Assignment2_2141013232/.git/

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ cat > file.txt

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ echo "This is the master branch." > file.txt

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ git commit -m "First commit on master with file.txt"
[master (root-commit) c6f78c5] First commit on master with file.txt
 1 file changed, 1 insertion(+)
 create mode 100644 file.txt

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ git log
commit c6f78c5cc46dae0a7bb4ae7dc172b3475f11ba95 (HEAD -> master)
Author: Subham kumar Mohanty <mohantysubham187@gmail.com>
Date:   Thu Apr 3 11:17:23 2025 +0530

    First commit on master with file.txt

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ git branch
* master

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ git branch "Wipro"

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ git checkout Wipro
Switched to branch 'Wipro'
```

2)create and work on branch

```
mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (Wipro)
$ echo "This line is from Wipro branch." > file.txt

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (Wipro)
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (Wipro)
$ git commit -m "file.txt updated in wipro branch."
[Wipro e81dd09] file.txt updated in wipro branch.
 1 file changed, 1 insertion(+), 1 deletion(-)

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (Wipro)
$ git log
commit e81dd099052e8523ef7bcf6d4c292342f6c98046 (HEAD -> Wipro)
Author: Subham kumar Mohanty <mohantysubham187@gmail.com>
Date:   Thu Apr 3 11:22:41 2025 +0530

    file.txt updated in wipro branch.

commit c6f78c5cc46dae0a7bb4ae7dc172b3475f11ba95 (master)
Author: Subham kumar Mohanty <mohantysubham187@gmail.com>
Date:   Thu Apr 3 11:17:23 2025 +0530

    First commit on master with file.txt

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (Wipro)
$ git checkout master
Switched to branch 'master'

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ echo "This line is from master branch." > file.txt

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ git commit -m "file.txt updated in master branch."
[master 56b0b51] file.txt updated in master branch.
 1 file changed, 1 insertion(+), 1 deletion(-)
```

3)work on the main branch

```
mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ git log
commit 56b0b5132ce1f16cee00fa632a6320d1c66c5f52 (HEAD -> master)
Author: Subham kumar Mohanty <mohantysubham187@gmail.com>
Date:    Thu Apr 3 11:25:38 2025 +0530

    file.txt updated in master branch.

commit c6f78c5cc46dae0a7bb4ae7dc172b3475f11ba95
Author: Subham kumar Mohanty <mohantysubham187@gmail.com>
Date:    Thu Apr 3 11:17:23 2025 +0530

    First commit on master with file.txt

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ get merge Wipro
bash: get: command not found

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ git merge wipro
Auto-merging file.txt
CONFLICT (content): Merge conflict in file.txt
Automatic merge failed; fix conflicts and then commit the result.

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master|MERGING)
$ echo -e "This line is from master branch. \nThis line is from Wipro branch." > file.txt

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master|MERGING)
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master|MERGING)
$ git commit -m "Resolved merge conflict in file.txt"
[master 56ae70e] Resolved merge conflict in file.txt
```

4)merge and resolve conflict

```
mohan@COSMIC MINGW64 ~/OneDrive/Desktop/Assignment2_2141013232 (master)
$ git log
commit 56ae70e74b84bfc178f3bcb6a1b68ece69a17b5f (HEAD -> master)
Merge: 56b0b51 e81dd09
Author: Subham kumar Mohanty <mohantysubham187@gmail.com>
Date:    Thu Apr 3 11:44:24 2025 +0530

    Resolved merge conflict in file.txt

commit 56b0b5132ce1f16cee00fa632a6320d1c66c5f52
Author: Subham kumar Mohanty <mohantysubham187@gmail.com>
Date:    Thu Apr 3 11:25:38 2025 +0530

    file.txt updated in master branch.

commit e81dd099052e8523ef7bcf6d4c292342f6c98046 (Wipro)
Author: Subham kumar Mohanty <mohantysubham187@gmail.com>
Date:    Thu Apr 3 11:22:41 2025 +0530

    file.txt updated in wipro branch.

commit c6f78c5cc46dae0a7bb4ae7dc172b3475f11ba95
Author: Subham kumar Mohanty <mohantysubham187@gmail.com>
Date:    Thu Apr 3 11:17:23 2025 +0530

    First commit on master with file.txt
```