

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~

\$ mkdir GitBranchDemo

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~

\$ cd GitBranchDemo

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo

\$ git init

Initialized empty Git repository in C:/Users/SUMAN/GitBranchDemo/.git/

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (main)

\$ echo "This is the main branch file" > mainfile.txt

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (main)

\$ git add mainfile.txt

warning: in the working copy of 'mainfile.txt', LF will be replaced by CRLF the next time Git touches it

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (main)

\$

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (main)

\$ git commit -m "Initial commit on main branch"

[main (root-commit) 303065c] Initial commit on main branch

1 file changed, 1 insertion(+)

create mode 100644 mainfile.txt

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (main)

\$ git branch GitNewBranch

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (main)

\$ git branch -a

GitNewBranch

* main

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (main)

\$ git checkout GitNewBranch

Switched to branch 'GitNewBranch'

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (GitNewBranch)

\$ git branch

* GitNewBranch

main

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (GitNewBranch)

\$ echo "This is a file created in GitNewBranch" > branch.txt

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (GitNewBranch)

\$ git add branch.txt

warning: in the working copy of 'branch.txt', LF will be replaced by CRLF the next time Git touches it

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (GitNewBranch)

\$ git commit -m "Added branchfile.txt in GitNewBranch"

[GitNewBranch 550638c] Added branchfile.txt in GitNewBranch

1 file changed, 1 insertion(+)

create mode 100644 branch.txt

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (GitNewBranch)

\$ git status

On branch GitNewBranch

nothing to commit, working tree clean

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (GitNewBranch)

\$ git checkout main

Switched to branch 'main'

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (main)

\$ git diff main GitNewBranch

diff --git a/branch.txt b/branch.txt

new file mode 100644

index 0000000..e198f48

--- /dev/null

+++ b/branch.txt

@@ -0,0 +1 @@

+This is a file created in GitNewBranch

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (main)

```
$ git merge GitNewBranch
```

Updating 303065c..550638c

Fast-forward

```
branch.txt | 1 +
```

1 file changed, 1 insertion(+)

create mode 100644 branch.txt

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (main)

```
$ git log --oneline 0--graph ---decorate
```

fatal: ambiguous argument '0--graph': unknown revision or path not in the working tree.

Use '--' to separate paths from revisions, like this:

```
'git <command> [<revision>...] -- [<file>...]'
```

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (main)

```
$ git log --oneline --graph --decorate
```

* 550638c (**HEAD -> main, GitNewBranch**) Added branchfile.txt in GitNewBranch

* 303065c Initial commit on main branch

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (main)

```
$ git branch
```

* main

SUMAN@LAPTOP-00JVD8UJ MINGW64 ~/GitBranchDemo (main)

```
$ git status
```

On branch main

nothing to commit, working tree clean

Github link- <https://github.com/Suman599/GitBranchDemo>