

Initializing git repository.

```
MINGW64 ~/OneDrive/Desktop/Wipro(GIT)
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/Wipro(GIT) (master)
$ git init
Reinitialized existing Git repository in C:/Users/ashut/OneDrive/Desktop/Wipro(GIT)/.git/
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/Wipro(GIT) (master)
$
```

Created a file, added & then committed.

```
MINGW64 ~/OneDrive/Desktop/Wipro(GIT)
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/Wipro(GIT) (master)
$ git init
Reinitialized existing Git repository in C:/Users/ashut/OneDrive/Desktop/Wipro(GIT)/.git/
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/Wipro(GIT) (master)
$ echo "Initial commit" > file.txt
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/Wipro(GIT) (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
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/Wipro(GIT) (master)
$ git commit -m "Initial commit with file.txt"
[master (root-commit) 458179f] Initial commit with file.txt
1 file changed, 1 insertion(+)
create mode 100644 file.txt
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/Wipro(GIT) (master)
$
```

Created a new branch.

```
MINGW64 ~/OneDrive/Desktop/Wipro(GIT)
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/Wipro(GIT) (master)
$ git init
Reinitialized existing Git repository in C:/Users/ashut/OneDrive/Desktop/Wipro(GIT)/.git/
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/Wipro(GIT) (master)
$ echo "Initial commit" > file.txt
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/Wipro(GIT) (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
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/Wipro(GIT) (master)
$ git commit -m "Initial commit with file.txt"
[master (root-commit) 458179f] Initial commit with file.txt
1 file changed, 1 insertion(+)
create mode 100644 file.txt
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/Wipro(GIT) (master)
$ git checkout -b new_branch
Switched to a new branch 'new_branch'
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/Wipro(GIT) (new_branch)
$ |
```

Making changes in file.txt from the new branch created.

```
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (master)
$ git init
Reinitialized existing Git repository in C:/Users/ashut/OneDrive/Desktop/wipro(GIT)/.git/

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (master)
$ echo "Initial commit" > file.txt

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (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

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (master)
$ git commit -m "Initial commit with file.txt"
[master (root-commit) 458179f] Initial commit with file.txt
1 file changed, 1 insertion(+)
create mode 100644 file.txt

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (master)
$ git checkout -b new_branch
Switched to a new branch 'new_branch'

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (new_branch)
$ echo "New branch changes" >> file.txt

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (new_branch)
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (new_branch)
$ git commit -m "Updated file.txt in new branch"
[new_branch 8934f98] Updated file.txt in new branch
1 file changed, 1 insertion(+)

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (new_branch)
$
```

Merging the conflicts from the master branch.

```
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (new_branch)
$ echo "New branch changes" >> file.txt

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (new_branch)
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (new_branch)
$ git commit -m "Updated file.txt in new branch"
[new_branch 8934f98] Updated file.txt in new branch
1 file changed, 1 insertion(+)

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (new_branch)
$ git checkout master
Switched to branch 'master'

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (master)
$ echo "Main branch changes" >> file.txt

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (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

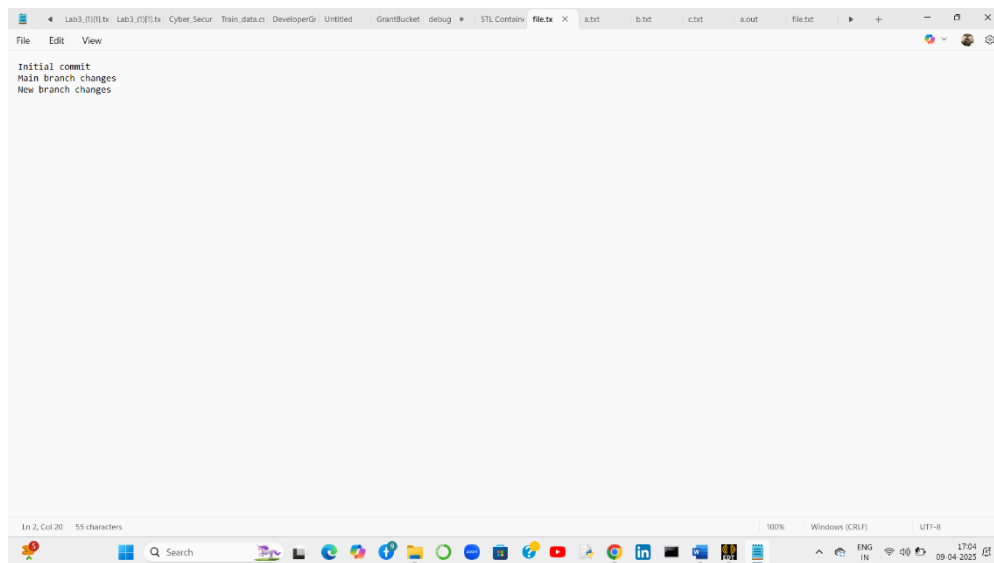
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (master)
$ git commit -m "Updated file.txt in master branch"
[master d6a116c] Updated file.txt in master branch
1 file changed, 1 insertion(+)

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

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (master|MERGING)
$
```

Resolving conflicts manually.

```
Initial commit
<<<<< HEAD
Main branch changes
*****
New branch changes
>>>>> new_branch
```



Adding & committing the merge conflicts.

```
ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (new_branch)
$ git commit -m "Updated file.txt in new branch"
[new_branch 8934f98] Updated file.txt in new branch
1 file changed, 1 insertion(+)

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (new_branch)
$ git checkout master
Switched to branch 'master'

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (master)
$ echo "Main branch changes" >> file.txt

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (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

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (master)
$ git commit -m "Updated file.txt in master branch"
[master d6a116c] Updated file.txt in master branch
1 file changed, 1 insertion(+)

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

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (master|MERGING)
$ git add file.txt

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (master|MERGING)
$ git commit -m "Updated merge conflict in file.txt"
[master 6a2aa41] Updated merge conflict in file.txt

ashut@Ashutosh MINGW64 ~/OneDrive/Desktop/wipro(GIT) (master)
$ |
```