

## Git command Projects

```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/shopping (master)
$ git init
Reinitialized existing Git repository in C:/Users/abhin/Desktop/english training/shopping/.git/

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/shopping (master)
$ touch yard.txt

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/shopping (master)
$ touch groceries.txt

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/shopping (master)
$
```

```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/shopping (master)
$ git add .

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/shopping (master)
$ git commit -m "create yard and
groceries lists"
[master (root-commit) 7d6629a] create yard and groceries lists
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 groceries.txt
create mode 100644 yard.txt
```

```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/shopping (master)
$ git add groceries.txt

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/shopping (master)
$ git commit -m "add ingredients for tomato soup"
[master c17e39d] add ingredients for tomato soup
1 file changed, 3 insertions(+)

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/shopping (master)
$ git add yard.txt

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/shopping (master)
$ git commit -m "add items needed for garden box"
[master 3e39f31] add items needed for garden box
1 file changed, 2 insertions(+)
```

```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/shopping (master)
$ git add .

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/shopping (master)
$ git commit -m "add items needed to grow potatoes"
[master 26ab74c] add items needed to grow potatoes
2 files changed, 2 insertions(+), 1 deletion(-)
```

```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/shopping (master)
$ git log
commit 26ab74c17ceb3ab62ea3b1258eb482b80e22a13b (HEAD -> master)
Author: Abhinaba <abhinaba006@gmail.com>
Date: Sun Jan 22 09:19:25 2023 +0530

    add items needed to grow potatoes

commit 3e39f31759a25dd6ef720f6a51afef1377d9dccf
Author: Abhinaba <abhinaba006@gmail.com>
Date: Sun Jan 22 09:13:45 2023 +0530

    add items needed for garden box

commit c17e39db61de35ac5cccbdf38e6791b92726d46f
Author: Abhinaba <abhinaba006@gmail.com>
Date: Sun Jan 22 09:13:14 2023 +0530

    add ingredients for tomato soup

commit 7d6629a552046ad38d5bc1eba9b02bb9d3afde00
Author: Abhinaba <abhinaba006@gmail.com>
Date: Sun Jan 22 09:12:01 2023 +0530

    create yard and
    groceries lists
```

---

```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/patronus (abhi)
$ git init
Initialized empty Git repository in C:/Users/abhin/Desktop/english training/patronus/.git/

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/patronus (master)
$ git status
On branch master

No commits yet

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

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/patronus (master)
$ touch patronus.txt

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/patronus (master)
$ git add .

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/patronus (master)
$ git commit -m "add empty patronus file:
> "
[master (root-commit) 634defa] add empty patronus file:
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 patronus.txt
```

```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/patronus (master)
$ git branch harry
```

```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/patronus (master)
$ git branch snape
```

```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/patronus (master)
$ git switch harry
Switched to branch 'harry'
```

```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/patronus (harry)
$ git commit -am "add harry's stag patronus"
[harry d64fef8] add harry's stag patronus
1 file changed, 24 insertions(+)
```

```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/patronus (harry)
$ git checkout snape
Switched to branch 'snape'
```

```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/patronus (snape)
$ git checkout snape
Switched to branch 'snape'
```

```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/patronus (snape)
$ git commit -am "add snape's doe patronus"
[snape 6fdbdeb] add snape's doe patronus
1 file changed, 14 insertions(+)
```

```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/patronus (snape)
$
```

```

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english trainin
$ git switch -c lily
Switched to a new branch 'lily'

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english trainin
$ git commit -am "add lily's doe patronus"
[lily fb2e98f] add lily's doe patronus
1 file changed, 1 insertion(+)

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english trainin
$ git branch
  harry
* lily
  master
  snape

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english trainin
$ git branch -d snape
Deleted branch snape (was 6fdbdeb).

```

---

## Fast forward

```

PS C:\Users\abhin\Desktop\english training\merge> git init
Initialized empty Git repository in C:/Users/abhin/Desktop/english training/merge/.git/
PS C:\Users\abhin\Desktop\english training\merge> touch temp.txt
PS C:\Users\abhin\Desktop\english training\merge> git add .
PS C:\Users\abhin\Desktop\english training\merge> git commit -m "initial"
[master (root-commit) 3b668df] initial
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 temp.txt
PS C:\Users\abhin\Desktop\english training\merge> git switch -c b1
Switched to a new branch 'b1'
PS C:\Users\abhin\Desktop\english training\merge> git commit -am "for fastforwad merge"
[b1 bab35a6] for fastforwad merge
1 file changed, 1 insertion(+)
PS C:\Users\abhin\Desktop\english training\merge> git switch master
Switched to branch 'master'
PS C:\Users\abhin\Desktop\english training\merge> git merge b1
Updating 3b668df..bab35a6
Fast-forward
 temp.txt | 1 +
1 file changed, 1 insertion(+)
PS C:\Users\abhin\Desktop\english training\merge>

```

## No conflict

```

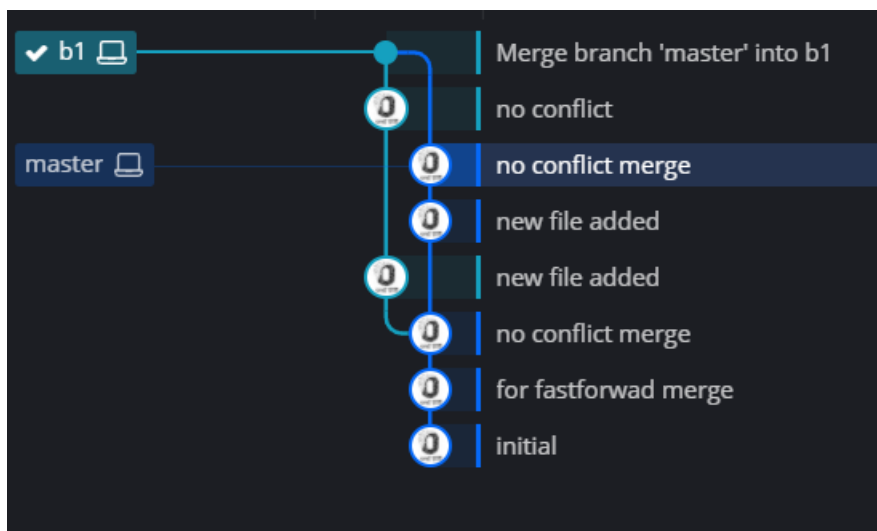
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/merge (b1)
$ git add .

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/merge (b1)
$ git commit -m "no conflict"
[b1 10297c0] no conflict
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 temp2.txt

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/merge (b1)
$ git merge master
Merge made by the 'ort' strategy.
noConflict1.txt | 0
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 noConflict1.txt

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/merge (b1)

```

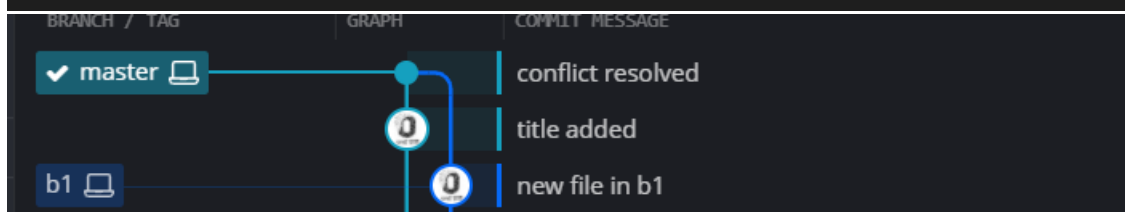


Conflict merge

```

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/merge (master)
$ git merge b1
Auto-merging a.txt
CONFLICT (content): Merge conflict in a.txt
Automatic merge failed; fix conflicts and then commit the result.

```



```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/merge (master)
$ git merge b1
Auto-merging a.txt
CONFLICT (content): Merge conflict in a.txt
Automatic merge failed; fix conflicts and then commit the result.

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/merge (master|MERC
$ git add .

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/merge (master|MERC
$ git commit -m "conflict resolved"
[master 3debae] conflict resolved

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english training/merge (master)
$
```

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```
abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english tra
$ git add .

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english tra
$ git commit -m "init"
[master (root-commit) 5fe712b] init
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file1.txt
create mode 100644 file2.txt

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english tra
$ git add .

abhin@LAPTOP-SU5HB4P2 MINGW64 ~/Desktop/english tra
$ git commit -m "init"
[master b78a54e] init
1 file changed, 1 insertion(+)
```