

```
De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training
$ mkdir Assignments

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training
$ cd Assignments

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments
$ git init
Initialized empty Git repository in G:/capgemini_training/Assignments/.git/

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ touch README.txt

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    README.txt

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

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git add README.txt

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git commit -m 'uploading README.txt file'
[master (root-commit) cdad0e2] uploading README.txt file
1 file changed, 1 insertion(+)
create mode 100644 README.txt

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git branch html-assignments

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
$ git branch
* html-assignments
  master
```

```
De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
$ touch basic.html

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
$ git add .

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
$ git commit -m 'assignment 1'
[html-assignments 2e83c2f] assignment 1
1 file changed, 6 insertions(+)
create mode 100644 basic.html

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
$ cp basic.html
cp: missing destination file operand after 'basic.html'
Try 'cp --help' for more information.

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
$ git checkout html-assignment basic.html
error: pathspec 'html-assignment' did not match any file(s) known to git

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
$ git status
On branch html-assignments
nothing to commit, working tree clean

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
$ git add basic.html

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
$ git commit -m 'basic.html added to html-assignment branch'
On branch html-assignments
nothing to commit, working tree clean

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
$ git status
On branch html-assignments
nothing to commit, working tree clean

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
$ git log
commit 2e83c2f71fefa5bc22cd43a386c374ad78a1748b (HEAD -> html-assignments)
Author: unknown <svssganesh@gmail.com>
Date: Sat Feb 5 12:48:55 2022 +0530

    assignment 1

commit cdad0e279e22637cfad4bdadbcfab5ff5f472cbe (master)
Author: unknown <svssganesh@gmail.com>
Date: Sat Feb 5 12:36:31 2022 +0530

    uploading README.txt file
```



MINGW64:/g/capgemini\_training/Assignments

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
```

```
$ touch basic2.html
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
```

```
$ git status
```

```
On branch html-assignments
```

```
Untracked files:
```

```
  (use "git add <file>..." to include in what will be committed)
```

```
    basic2.html
```

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

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
```

```
$ git add basic2.html
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
```

```
$ git commit -m 'assignment 2'
```

```
[html-assignments 50529c9] assignment 2
```

```
1 file changed, 3 insertions(+)
```

```
create mode 100644 basic2.html
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
```

```
$ git status
```

```
On branch html-assignments
```

```
nothing to commit, working tree clean
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
```

```
$ git log
```

```
commit 50529c9deec27c51e7619ae938c6a5bfbdf1e753 (HEAD -> html-assignments)
```

```
Author: unknown <svssganesh@gmail.com>
```

```
Date: Sat Feb 5 13:00:03 2022 +0530
```

```
    assignment 2
```

```
commit 2e83c2f71fefa5bc22cd43a386c374ad78a1748b
```

```
Author: unknown <svssganesh@gmail.com>
```

```
Date: Sat Feb 5 12:48:55 2022 +0530
```

```
    assignment 1
```

```
commit cdad0e279e22637cfad4bdadbcfab5ff5f472cbe (master)
```

```
Author: unknown <svssganesh@gmail.com>
```

```
Date: Sat Feb 5 12:36:31 2022 +0530
```

```
    uploading README.txt file
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (html-assignments)
```

```
$ git checkout master
```

```
Switched to branch 'master'
```

MINGW64:/g/capgemini\_training/Assignments

De11@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (master)

\$ git status

On branch master

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: README.txt

no changes added to commit (use "git add" and/or "git commit -a")

De11@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (master)

\$ git add .

De11@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (master)

\$ git commit -m 'matter added about branch'

[master 3310985] matter added about branch

1 file changed, 2 insertions(+), 1 deletion(-)

De11@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (master)

\$ git checkout html-assignments

Switched to branch 'html-assignments'

De11@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (html-assignments)

\$ git status

On branch html-assignments

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: basic.html

no changes added to commit (use "git add" and/or "git commit -a")

De11@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (html-assignments)

\$ git add basic.html

De11@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (html-assignments)

\$ git commit -m 'changes done from head6 to head1'

[html-assignments fdc129e] changes done from head6 to head1

1 file changed, 2 insertions(+), 2 deletions(-)

De11@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (html-assignments)

\$ git checkout master

Switched to branch 'master'

De11@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (master)

\$ git merge html-assignments

Merge made by the 'ort' strategy.

basic.html | 6 ++++++

basic2.html | 3 +++

2 files changed, 9 insertions(+)

create mode 100644 basic.html

create mode 100644 basic2.html

De11@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (master)

\$ git status

On branch master

nothing to commit, working tree clean



```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git log
commit f5cd15756f8ea0cb6213931ad5017d7c3fe30370 (HEAD -> master)
Merge: 3310985 fdc129e
Author: unknown <svssganesh@gmail.com>
Date: Sat Feb 5 13:05:25 2022 +0530

    Merge branch 'html-assignments'

commit fdc129e7f4f67af70c8976d7c9e91a0ffd8e538d (html-assignments)
Author: unknown <svssganesh@gmail.com>
Date: Sat Feb 5 13:04:17 2022 +0530

    changes done from head6 to head1

commit 331098512ed4b86844303e2b3eeeb509f2cafd57
Author: unknown <svssganesh@gmail.com>
Date: Sat Feb 5 13:02:22 2022 +0530

    matter added about branch

commit 50529c9deec27c51e7619ae938c6a5bfbd1e753
Author: unknown <svssganesh@gmail.com>
Date: Sat Feb 5 13:00:03 2022 +0530

    assignment 2

commit 2e83c2f71fefa5bc22cd43a386c374ad78a1748b

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ ls
README.txt basic.html basic2.html

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git branch -d html-assignments
Deleted branch html-assignments (was fdc129e).
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git branch css-assignments

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ ls
README.txt  basic.html  basic2.html

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ touch basic.css

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ ls
README.txt  basic.css  basic.html  basic2.html

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ touch basic2.css

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        basic.css
        basic2.css

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

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (css-assignments)
$ git add .

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (css-assignments)
$ git commit -m '2 css assignments added to css-assignments branch'
[css-assignments b392c1a] 2 css assignments added to css-assignments branch
2 files changed, 2 insertions(+)
create mode 100644 basic.css
create mode 100644 basic2.css

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (css-assignments)
$ ls
README.txt  basic.css  basic.html  basic2.css  basic2.html

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (css-assignments)
$ git status
On branch css-assignments
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:   README.txt

no changes added to commit (use "git add" and/or "git commit -a")
```



 MINGW64:/g/capgemini\_training/Assignments

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (css-assignments)
$ git add README.txt
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (css-assignments)
$ git commit -m 'readme.txt line 1 changes done'
[css-assignments 6e28e7f] readme.txt line 1 changes done
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (css-assignments)
$ git checkout master
Switched to branch 'master'
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git status
On branch master
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:   README.txt
```

no changes added to commit (use "git add" and/or "git commit -a")

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git add README.txt
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git commit -m 'readme.txt line 3 changes done in master branch'
[master 62a282a] readme.txt line 3 changes done in master branch
1 file changed, 2 insertions(+), 1 deletion(-)
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (css-assignments)
$ git status
On branch css-assignments
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:   basic.css
```

no changes added to commit (use "git add" and/or "git commit -a")

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (css-assignments)
$ git add .
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (css-assignments)
$ git commit -m 'changes made in css file basic.css'
[css-assignments d41f0d3] changes made in css file basic.css
1 file changed, 1 insertion(+)
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (css-assignments)
$ git checkout master
Switched to branch 'master'
```

MINGW64:/g/capgemini\_training/Assignments

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (master)

\$ git merge css-assignments

Auto-merging README.txt

CONFLICT (content): Merge conflict in README.txt

Automatic merge failed; fix conflicts and then commit the result.

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (master|MERGING)

\$ ls

README.txt basic.css basic.html basic2.css basic2.html

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (master|MERGING)

\$ git branch -d css-assignments

error: The branch 'css-assignments' is not fully merged.

If you are sure you want to delete it, run 'git branch -D css-assignments'.

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (master|MERGING)

\$ git checkout css-assignments

error: you need to resolve your current index first

README.txt: needs merge

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (master|MERGING)

\$ git merge css-assignments README.txt

error: Merging is not possible because you have unmerged files.

hint: Fix them up in the work tree, and then use 'git add/rm <file>'

hint: as appropriate to mark resolution and make a commit.

fatal: Exiting because of an unresolved conflict.

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (master|MERGING)

\$ git status

On branch master

You have unmerged paths.

(fix conflicts and run "git commit")

(use "git merge --abort" to abort the merge)

Changes to be committed:

new file: basic.css

new file: basic2.css

Unmerged paths:

(use "git add <file>..." to mark resolution)

both modified: README.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: basic.css

modified: basic2.css

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (master|MERGING)

\$ git add .

De1l@DESKTOP-B462CVU MINGW64 /g/capgemini\_training/Assignments (master|MERGING)

\$ git commit

[master d476ec6] Merge branch 'css-assignments'



```
De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ ls
README.txt  basic.css  basic.html  basic2.css  basic2.html

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git branch -d css-assignments
Deleted branch css-assignments (was d41f0d3).
```

```
De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ touch basic.js

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ touch basic2.js

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git status
On branch master
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:   README.txt
        modified:   basic.js

no changes added to commit (use "git add" and/or "git commit -a")

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git status
On branch master
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:   README.txt
        modified:   basic2.js

no changes added to commit (use "git add" and/or "git commit -a")

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git branch js-assignments

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'
M       README.txt
M       basic2.js

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (js-assignments)
$ git add .

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (js-assignments)
$ git status
On branch js-assignments
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   README.txt
        modified:   basic2.js

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:   README.txt

De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (js-assignments)
$ git add .
```



```
De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (js-assignments)
$ git commit -m 'edited readme.txt and added js files to js branch'
[js-assignments 4be5182] edited readme.txt and added js files to js branch
2 files changed, 2 insertions(+), 10 deletions(-)
```

```
De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (js-assignments)
$ ls
README.txt  basic.css  basic.html  basic.js  basic2.css  basic2.html  basic2.js
```

```
De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (js-assignments)
$ git checkout master
Switched to branch 'master'
```

```
De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git status
On branch master
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:   README.txt
```

no changes added to commit (use "git add" and/or "git commit -a")

```
De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git add README.txt
```

```
De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git commit -m 'edited readme.txt'
[master 754e257] edited readme.txt
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git status
On branch master
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:   README.txt
```

no changes added to commit (use "git add" and/or "git commit -a")

```
De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git add README.txt
```

```
De11@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git commit -m 'edited readme.txt'
[master 080c8fa] edited readme.txt
1 file changed, 2 insertions(+), 2 deletions(-)
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
```

```
$ git checkout js-assignments
Switched to branch 'js-assignments'
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (js-assignments)
```

```
$ git status
On branch js-assignments
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:   basic.js
```

```
no changes added to commit (use "git add" and/or "git commit -a")
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (js-assignments)
```

```
$ git add basic.js
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (js-assignments)
```

```
$ git commit -m 'changed line1 in basic.js'
[js-assignments 47a6828] changed line1 in basic.js
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (js-assignments)
```

```
$ git checkout master
Switched to branch 'master'
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
```

```
$ git merge js-assignments
Auto-merging README.txt
CONFLICT (content): Merge conflict in README.txt
Automatic merge failed; fix conflicts and then commit the result.
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master|MERGING)
```

```
$ cat README.txt
<<<<<<< HEAD
<<<<<<< HEAD css
this is Assignment folder of GIT Branching Assignment css
2 assignments added to html-Assignment branch and css
=====
this is Assignment folder of GIT Branching Assignment css
2 assignments added to html-Assignment branch
>>>>>>> js-assignments
2 assignments added to css-assignment branch
```



```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master|MERGING)
$ git status
On branch master
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)
```

```
Changes to be committed:
  modified:   basic.js
  modified:   basic2.js
```

```
Unmerged paths:
  (use "git add <file>..." to mark resolution)
  both modified:   README.txt
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master|MERGING)
$ git add README.txt
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master|MERGING)
$ git commit -m 'conflicts are resolved in visual studio directly'
[master 6308c8f] conflicts are resolved in visual studio directly
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git merge js-assignments
Already up to date.
```

```
De1l@DESKTOP-B462CVU MINGW64 /g/capgemini_training/Assignments (master)
$ git branch -d js-assignments
Deleted branch js-assignments (was 47a6828).
```