```
$ git checkout -b dev
Switched to a new branch 'dev'

lenovo@lizx MINGW64 /d/learngit/gitskills (dev)
$ git branch
* dev
  master

lenovo@lizx MINGW64 /d/learngit/gitskills (dev)
$ pwd
/d/learngit/gitskills

lenovo@lizx MINGW64 /d/learngit/gitskills (dev)
$ cd ..

lenovo@lizx MINGW64 /d/learngit (master)
$ ls -ah
./  ../  .git/  gitskills/  id_rsa.pub  LICENSE.txt  readme.txt  test.txt

lenovo@lizx MINGW64 /d/learngit (master)
$ git add readme.txt

lenovo@lizx MINGW64 /d/learngit (dev)
$ git commit -m "branch test"
[dev 6ef6edf] branch test
 1 file changed, 2 insertions(+), 1 deletion(-)

lenovo@lizx MINGW64 /d/learngit (dev)
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

lenovo@lizx MINGW64 /d/learngit (master)
$ git checkout dev
```

```
Switched to branch 'dev'

lenovo@lizx MINGW64 /d/learngit (dev)
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

lenovo@lizx MINGW64 /d/learngit (master)
$ git merge dev
Updating 0676eb4..6ef6edf
Fast-forward
 readme.txt | 3 ++-
 1 file changed, 2 insertions(+), 1 deletion(-)

lenovo@lizx MINGW64 /d/learngit (master)
$ git branch -d dev
Deleted branch dev (was 6ef6edf).

lenovo@lizx MINGW64 /d/learngit (master)
$ git branch
* master

lenovo@lizx MINGW64 /d/learngit (master)




$ git checkout -b feature1
Switched to a new branch 'feature1'

lenovo@lizx MINGW64 /d/learngit (feature1)
$ git branch
* feature1
  master
```

```
lenovo@lizx MINGW64 /d/learngit (feature1)
$ git add readme.txt

lenovo@lizx MINGW64 /d/learngit (feature1)
$ git commit -m "AND simple"
[feature1 24933bf] AND simple
 1 file changed, 1 insertion(+), 1 deletion(-)

lenovo@lizx MINGW64 /d/learngit (feature1)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

lenovo@lizx MINGW64 /d/learngit (master)
$ git add readme.txt

lenovo@lizx MINGW64 /d/learngit (master)
$ git commit -m "&simple"
[master a5b788d] &simple
 1 file changed, 1 insertion(+), 1 deletion(-)

lenovo@lizx MINGW64 /d/learngit (master)
$ git merge feature1
Auto-merging readme.txt
CONFLICT (content): Merge conflict in readme.txt
Automatic merge failed; fix conflicts and then commit the result.

lenovo@lizx MINGW64 /d/learngit (master|MERGING)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

You have unmerged paths.
```

```
    (fix conflicts and run "git commit")
    (use "git merge --abort" to abort the merge)


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


        both modified:    readme.txt


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


        gitskills/


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


lenovo@lizx MINGW64 /d/learngit (master|MERGING)
$ git add readme.txt
g
lenovo@lizx MINGW64 /d/learngit (master|MERGING)
$ git commit -m "conflict fixed'
> "
[master 67cad76] conflict fixed'


lenovo@lizx MINGW64 /d/learngit (master)
$ git log --graph --pretty=oneline --abbrev-commit
*   67cad76 (HEAD -> master) conflict fixed'
|\
| * 24933bf (feature1) AND simple
* | a5b788d &simple
|/
* 6ef6edf (origin/master) branch test
* 0676eb4 branch test
* 42afc3c add id_rsa.pub file
* 8bd0856 add test.txt
* c222fbc git tracks changes of file
```

```
* 03799dd git tracks changes

* bbff5fa understand how stage works

* 692bf59 add:git is good

* b8567c1 append GPL

* 08a1e7d wrote a readme file


lenovo@lizx MINGW64 /d/learngit (master)
$ git branch -d feature1
Deleted branch feature1 (was 24933bf).


lenovo@lizx MINGW64 /d/learngit (master)
$ git branch
* master


lenovo@lizx MINGW64 /d/learngit (master)




$ git checkout -b dev
Switched to a new branch 'dev'


lenovo@lizx MINGW64 /d/learngit (dev)
$ git add readme.txt


lenovo@lizx MINGW64 /d/learngit (dev)
$ git commit -m "add merge"
[dev 5fdbd33] add merge
 1 file changed, 1 insertion(+)


lenovo@lizx MINGW64 /d/learngit (dev)
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 3 commits.
  (use "git push" to publish your local commits)
```

```
lenovo@lizx MINGW64 /d/learngit (master)
$ git merge --no-ff -m "merge with no-ff" dev
Merge made by the 'recursive' strategy.
 readme.txt | 1 +
 1 file changed, 1 insertion(+)


lenovo@lizx MINGW64 /d/learngit (master)
$ git log --graph --pretty=oneline --abbrev-commit
*   27673e4 (HEAD -> master) merge with no-ff
|\
| * 5fdbd33 (dev) add merge
|/
*   67cad76 conflict fixed'
|\
| * 24933bf AND simple
* | a5b788d &simple
|/
* 6ef6edf (origin/master) branch test
* 0676eb4 branch test
* 42afc3c add id_rsa.pub file
* 8bd0856 add test.txt
* c222fbc git tracks changes of file
* 03799dd git tracks changes
* bbff5fa understand how stage works
* 692bf59 add:git is good
* b8567c1 append GPL
* 08a1e7d wrote a readme file


lenovo@lizx MINGW64 /d/learngit (master)
$ git  branch
  dev
* master


lenovo@lizx MINGW64 /d/learngit (master)
```

$