

# Merge

Git merge ????????

1. Fast-forward merge: ?????? commit ??????
2. Three-way merge: ????? commit ??????????????????????

## Git merge ????

???????????????????????????? bug???????????????????????????? (main/master)?

- `git merge <branch-name>` : ????? <branch-name> ?????
- `git merge --abort` : ????????

?? fix\_something ????

```
git checkout main
git merge fix_something
```

??????????? Merge conflict?????????????(some.py)????????????????

????????????????

- <<<< HEAD : ????? (main) ???
- >>> fix\_something: ?????? (fix\_something) ??
- ===== : ???????????
- ?????????????????????????????

```
<<<<<< HEAD
print("Keep me!")
=====
print("No, keep me instead!")
>>>>>> fix_something
```

????????????

```
git add some.py
git status
# Check if the conflict has been fixed
git commit
```

???????

```
git log --graph --oneline
```

??

```
git merge --abort
```

## Git rebase

- [? PR ???? Git rebase ????? commit ??](#)

```
git rebase <branch-name> : Move the current branch on top of the <branch-name> branch
```

????????????????????????????? three-way merges????????????????????

```
# [ ] [ ] [ ] [ ] rebase
git rebase -i master
```

## Interactive Rebasing

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Pull Request ??