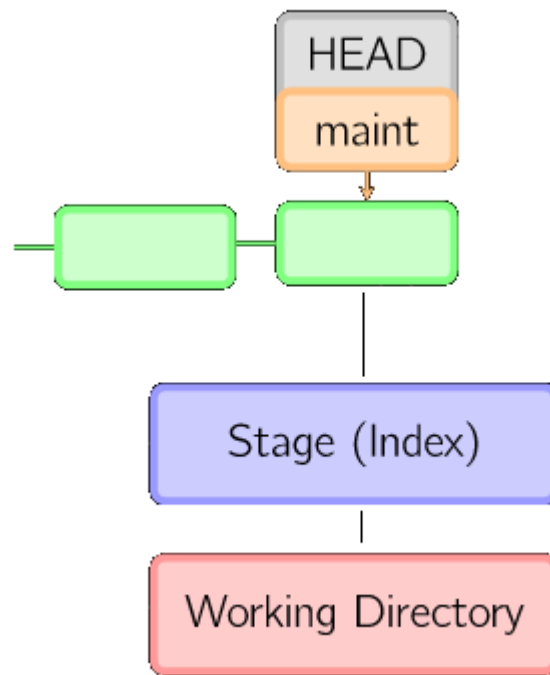


server / local



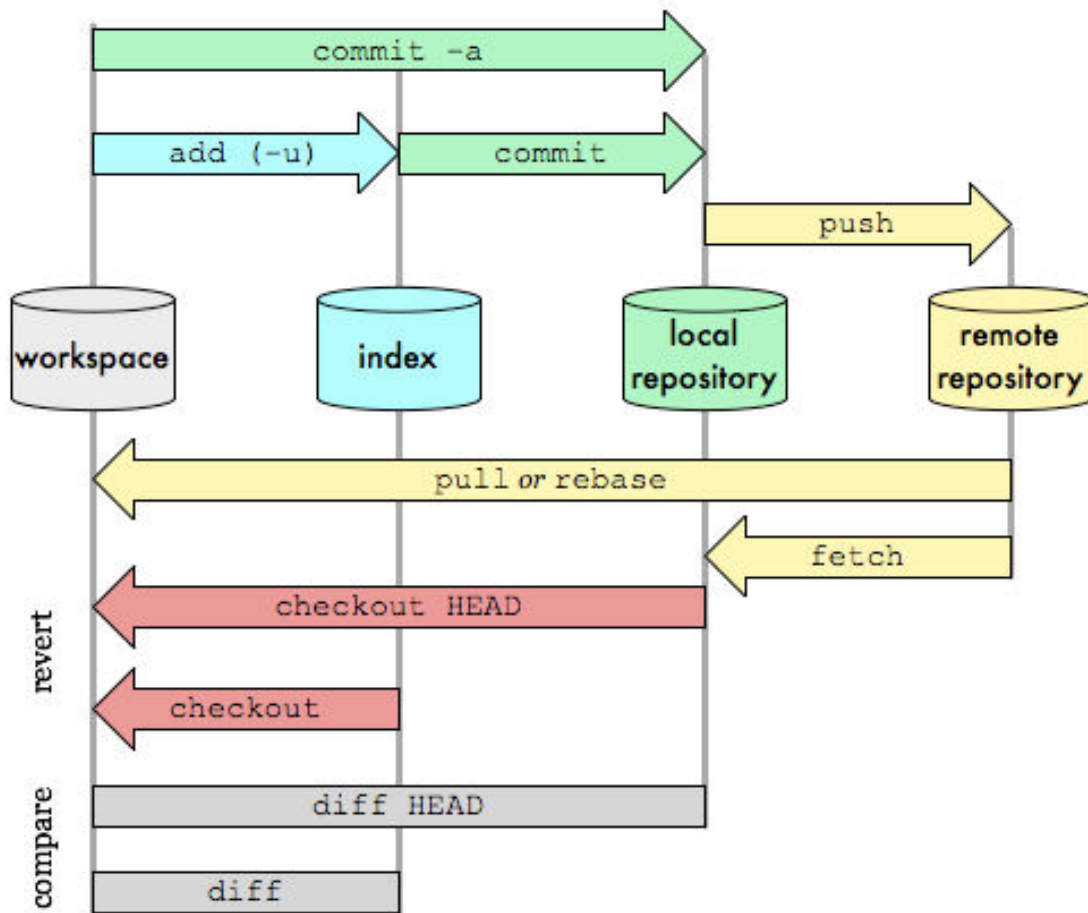
```
$ git config --global user.name MyName
$ git config --global user.email myemail@mail.com
```

List all variables set in config file

```
$ git config -l
```

Git Data Transport Commands

<http://osteale.com>



Remote repositories

```
$ git remote
```

```
$ git remote -v
```

```
$ git pull
```

```
$ git push [servername] [branches]
```

```
$ git push origin master
```

```
$ git status
```

```
$ git add README
```

```
$ git diff --cached
```

```
$ git commit -m "My first commit!"
```

```
$ git rm --cached README
```

```
$ git log -p -2
```

```
$ git branch testing
```

```
$ git checkout testing
```

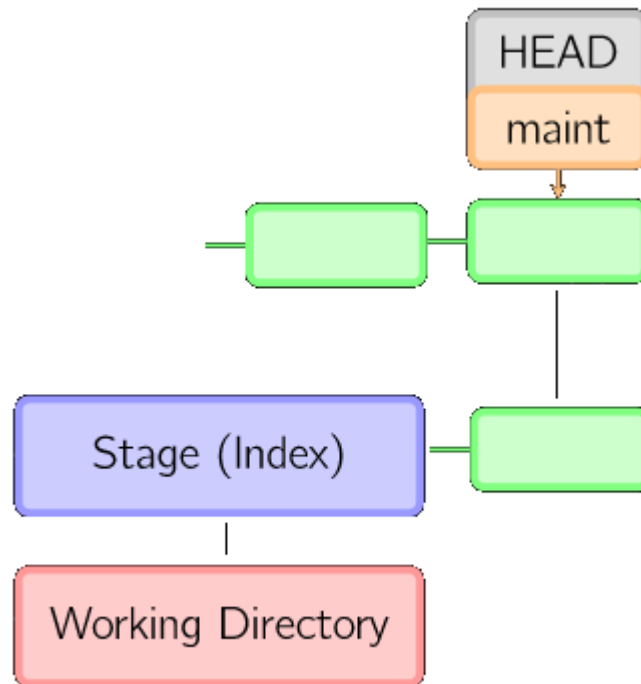
```
$ git checkout master
```

```
$ git merge testing
```

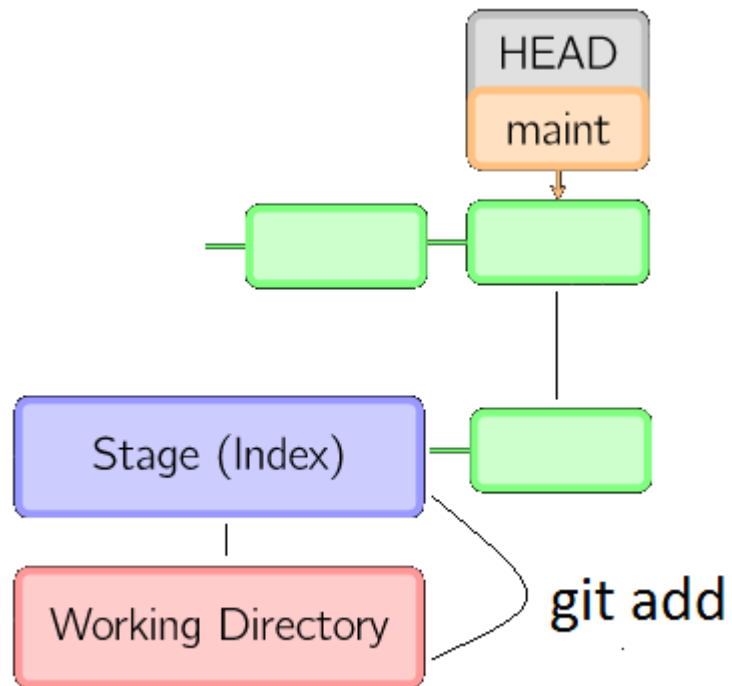
```
$ git branch -d testing
```

1) Typical

```
~ workspace $ git clone https://github.com/softservedata/atqc.git  
~ workspace $ cd atqc  
~ workspace $ git status  
~ workspace/atqc $ git log  
~ workspace/atqc $ git remote
```



Change file [readme.txt](#)
\$ git status
\$ git add readme.txt
\$ git status



```
$ git commit -m "change 1 readme"
```

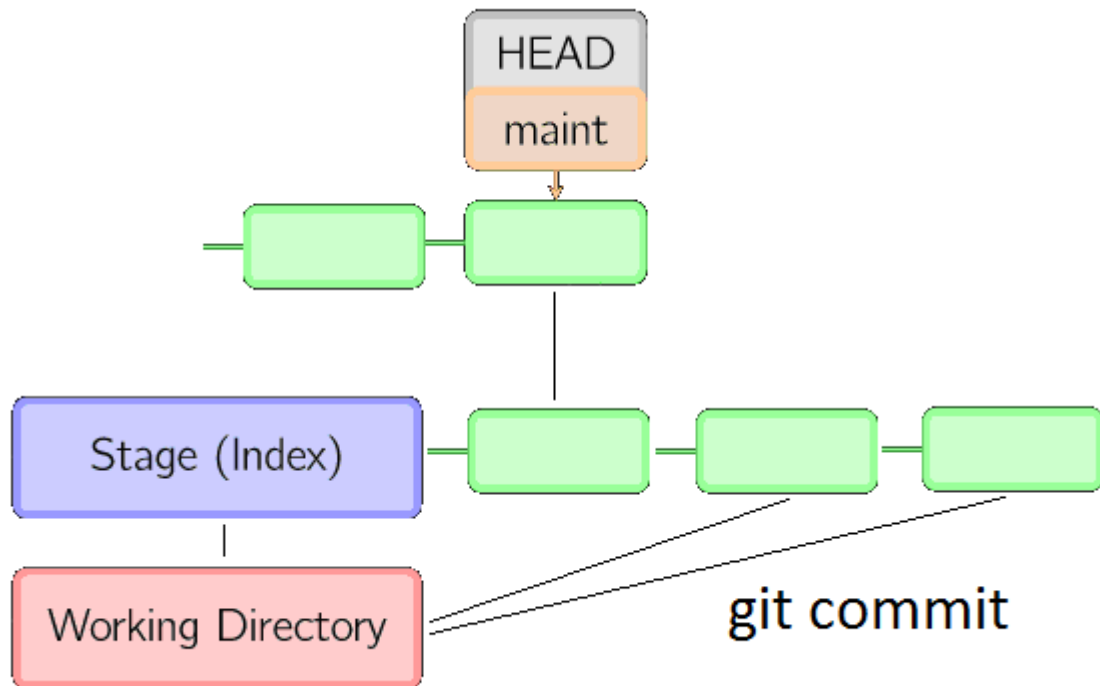
Change file [readme.txt](#)

```
$ git status
```

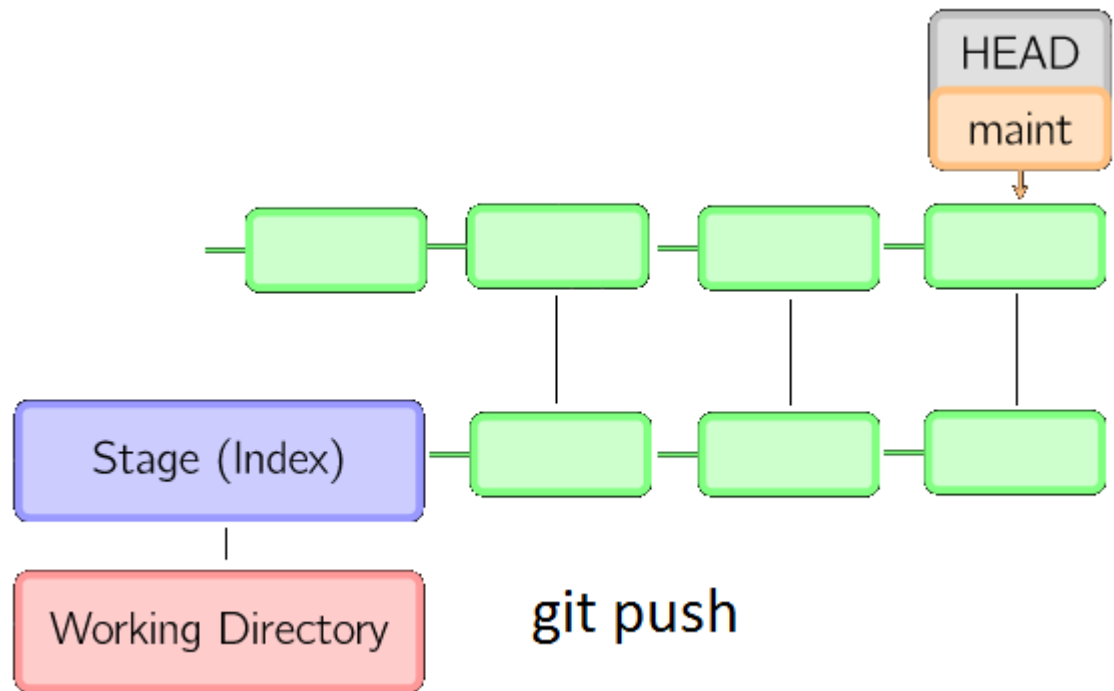
```
$ git add readme.txt
```

```
$ git status
```

```
$ git commit -m "change 2 readme"
```



```
$ git push  
$ git branch  
$ git remote  
$ git push origin master
```



Delete file from git repo

```
$ git add --all
```

Removes the file from the repo but also deletes it from the local file system

```
$ git rm myfile1.txt
```

```
$ git commit -m "remove myfile1.txt"
```

Remove the file from the repo and not delete it from the local file system

```
$ git rm --cached myfile1.txt
```

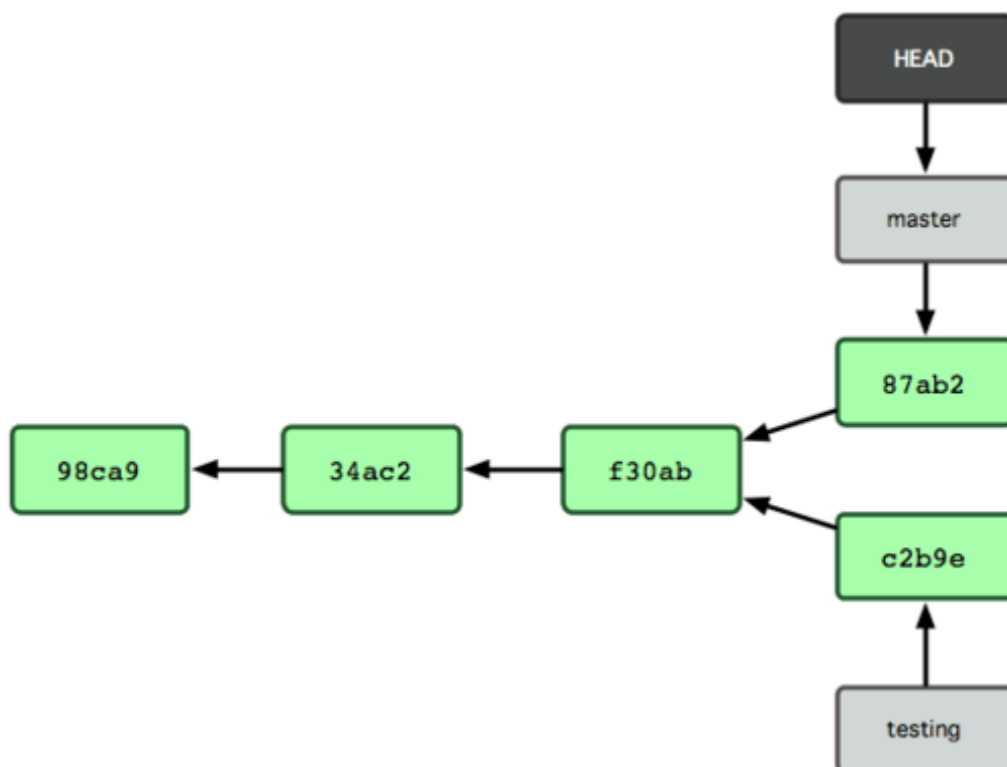
Delete branch on remote repo

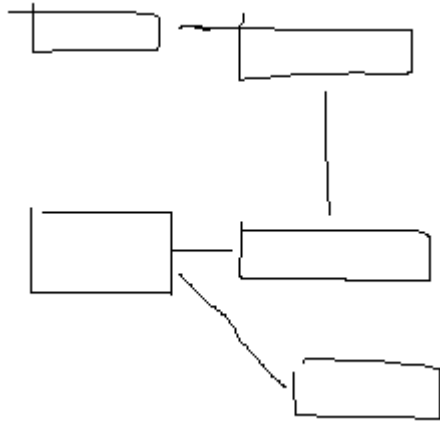
```
git push origin :head
```

```
$ git branch testing
```

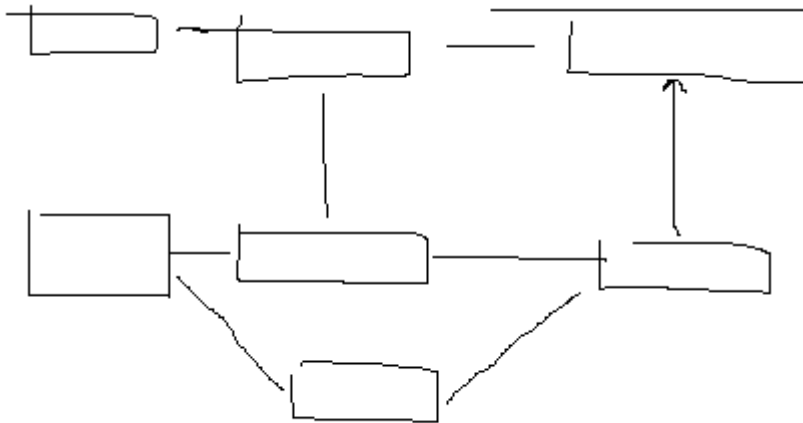
```
$ git checkout testing
```

```
$ git checkout master
```





```
$ git checkout master  
$ git merge testing
```

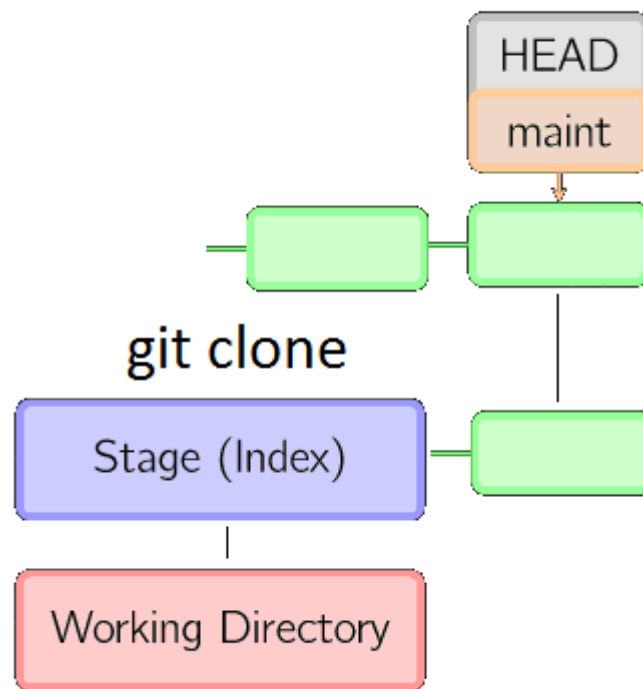


```
$ git branch -d testing  
  
git push origin :testing
```

```
git branch work  
git checkout work  
change file readme.txt  
git add readme.txt  
git commit -m "add 222 readme.txt work"  
git push origin work
```


2) Branche

```
$ git clone https://github.com/softservedata/atqc.git  
$ cd atqc
```



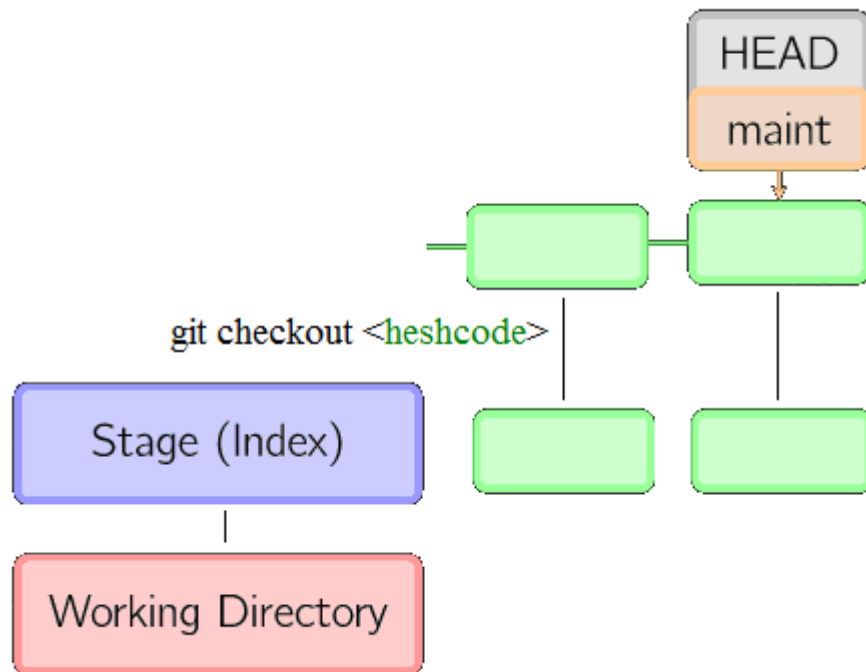
```
$ git log
```

Switched to branch

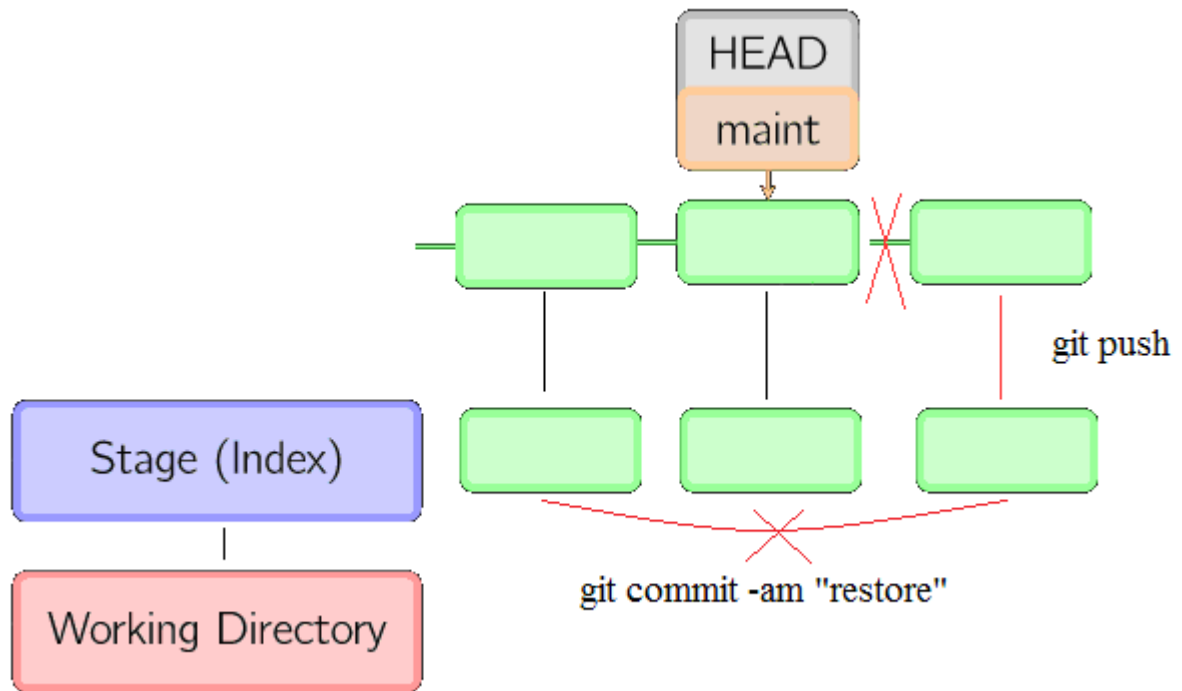
```
$ git checkout <heshcode>
```

```
$ git checkout 85f4
```

```
$ git status
```



```
$ git commit -am "restore readme"
$ git status
$ git push
```



Change file `readme.txt`

```
$ git status
```

```
$ git add .
```

```
C:\Users\user\workspace\atqc>git status
```

```
    modified:  readme.txt
```

```
$ git checkout master
```

error: Your local changes to the following files would be overwritten by checkout:

```
    readme.txt
```

Please, commit your changes or stash them before you can switch branches.

Aborting

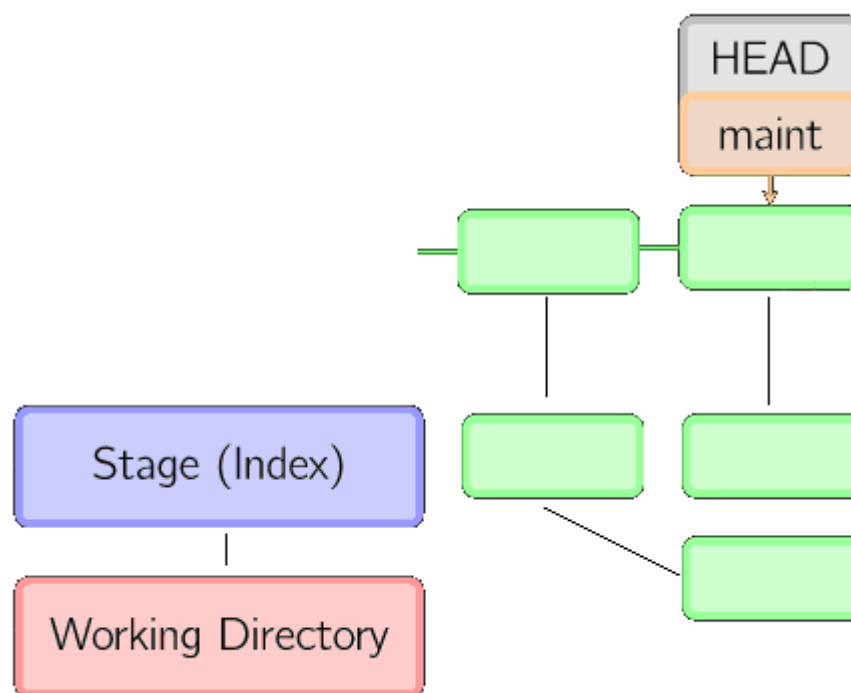
```
$ git status
```

```
    HEAD detached at 85f4f17
```

```
$ git log
```

```
$ git commit -m "restore 85f4-2"
```

```
$ git log
```



```

$ git status
$ git branch
$ git checkout master
$ git status
$ git merge 9a12
    Auto-merging readme.txt
    CONFLICT (content): Merge conflict in readme.txt
    Automatic merge failed; fix conflicts and then commit the result.

```

file:

```

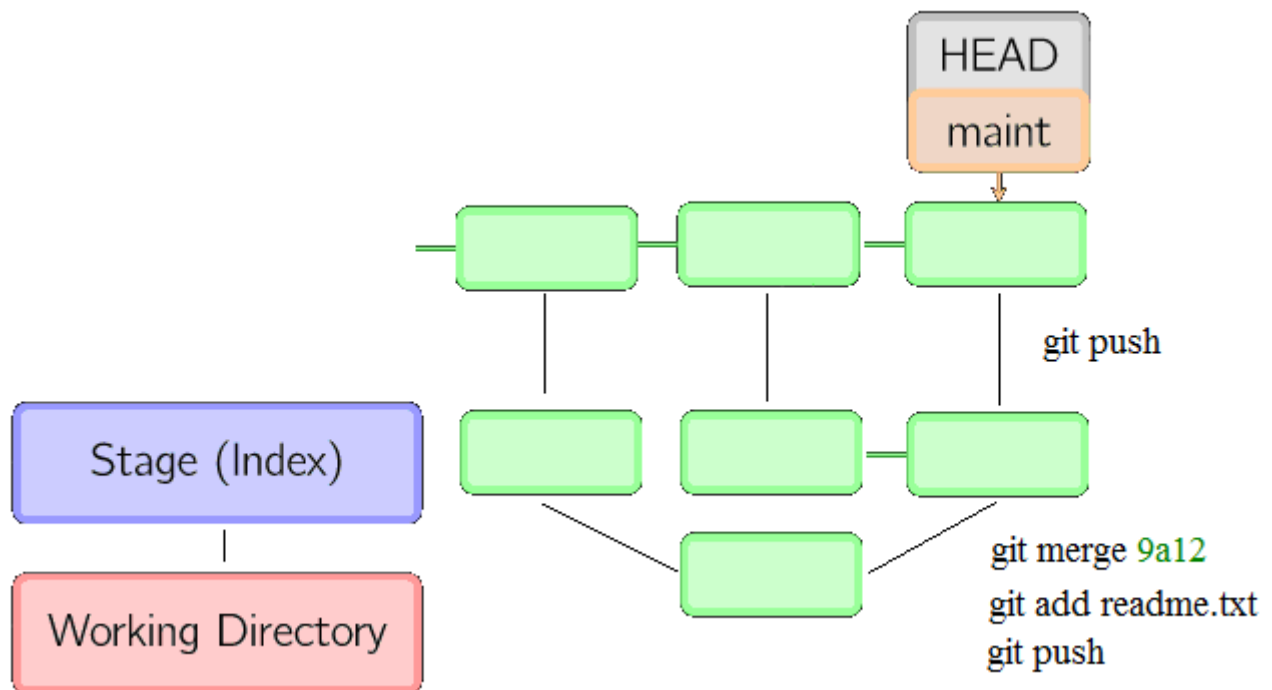
-----
<<<<<<< HEAD
for_delete
=====
for delete2
>>>>>>> 9a12
-----

```

```

$ git add readme.txt
$ git status
$ git commit -m "restore readme main"
$ git log -2
$ git push

```



3) Cancel index changes

Change file `readme.txt`

```
$ git status  
$ git diff  
$ git add readme.txt  
$ git status  
$ git diff
```

From `Git Bash` only

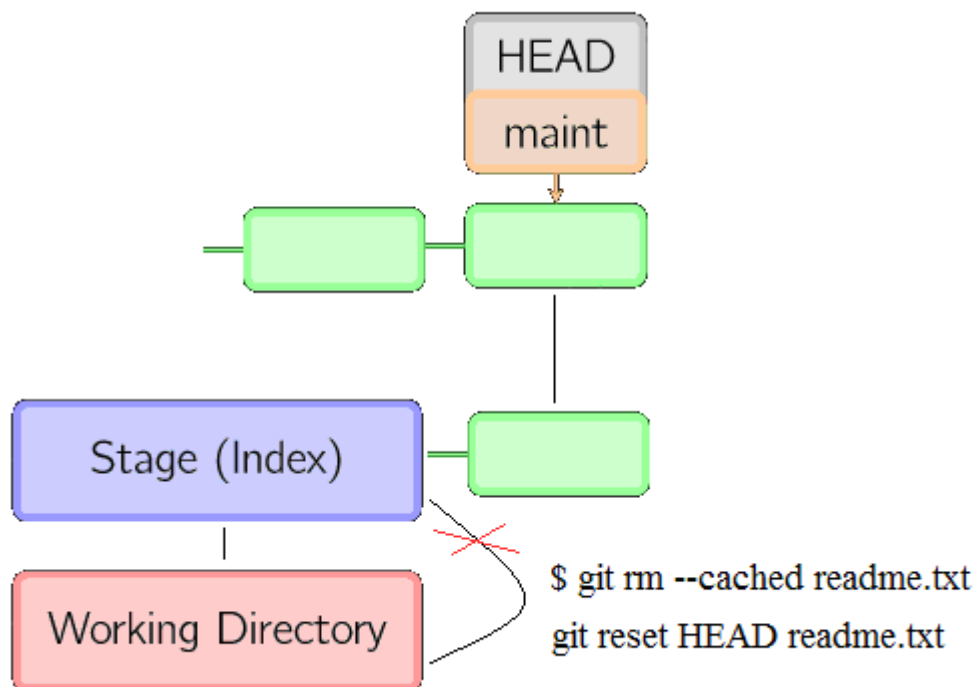
```
$ git diff --staged  
Delete file from index  
$ git rm --cached readme.txt
```

Delete file from index from `cmd`

```
$ git reset HEAD readme.txt  
$ git status
```

Cancel last commit

```
$ git reset --soft HEAD  
$ git reset --hard HEAD
```



4) Cancel local changes

Change file [readme.txt](#)

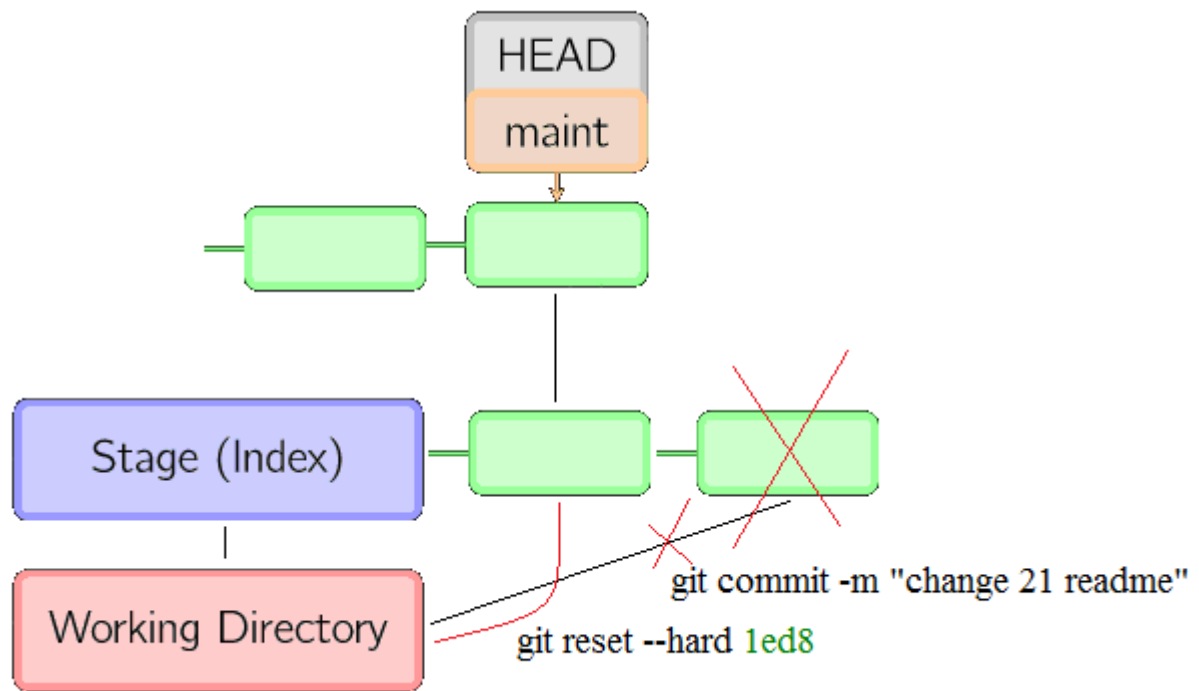
```
$ git add readme.txt
```

```
$ git status
```

```
$ git commit -m "change 21 readme"
```

```
$ git log -2
```

```
$ git reset --hard 1ed8
```



Change file `readme.txt`

```
$ git add readme.txt
```

```
$ git status
```

```
$ git commit -m "change 21a readme"
```

```
$ git log -2
```

Restore last commit without deleting

```
$ git revert led8
```

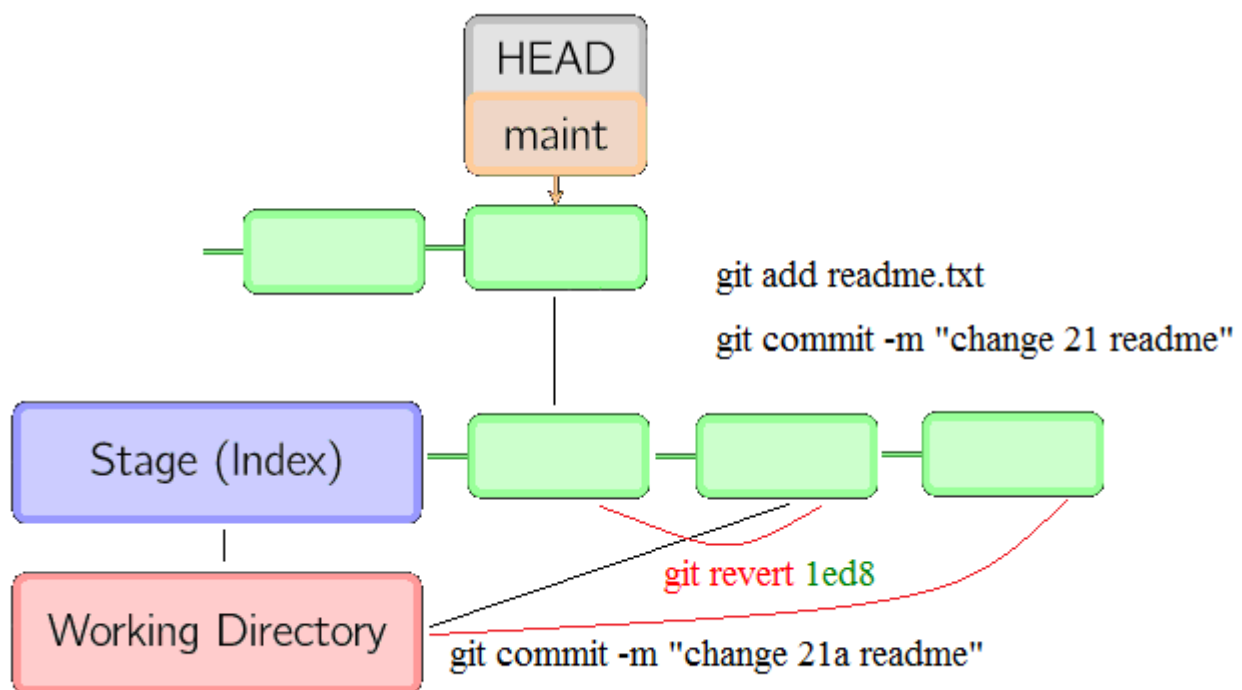
```
$ git revert HEAD
```

Can be used to continue after **resolving conflicts**

```
$ git add readme.txt
```

```
$ git status
```

```
$ git commit -m "change 21 readme"
```



5) Cancel global changes

Change file [readme.txt](#)

```
$ git add readme.txt
$ git status
$ git commit -m "change 23 readme"
$ git push
$ git log -2
$ git reset --hard f6fa
```

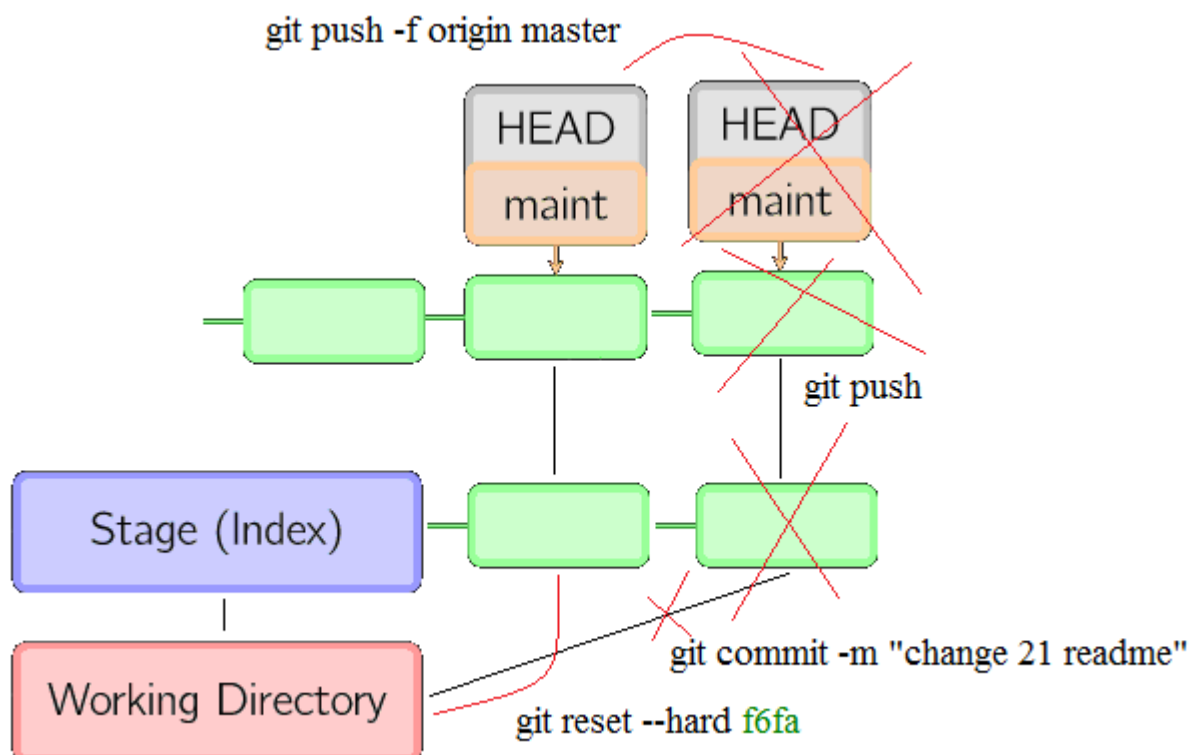
Restore delete commit from global repository

C:\Users\user\workspace\atqc>**git pull**

```
$ git push -f origin master
```

Restore delete commit from global repository

```
$ git reflog
769487f HEAD@{0}: reset: moving to 7694
46bcb10 HEAD@{1}: commit: change 23 readme
$ git reset --hard HEAD@{1}
$ git push
```



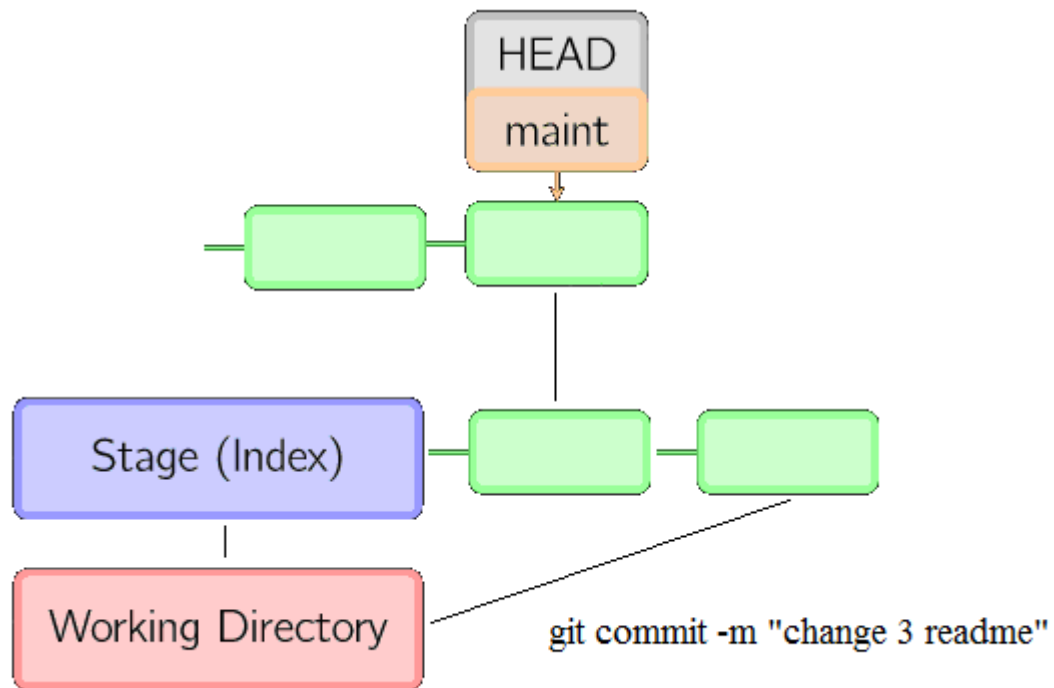
6) Merge local changes

Change file [readme.txt](#)

```
$ git add readme.txt
```

```
$ git status
```

```
$ git commit -m "change 3 readme"
```



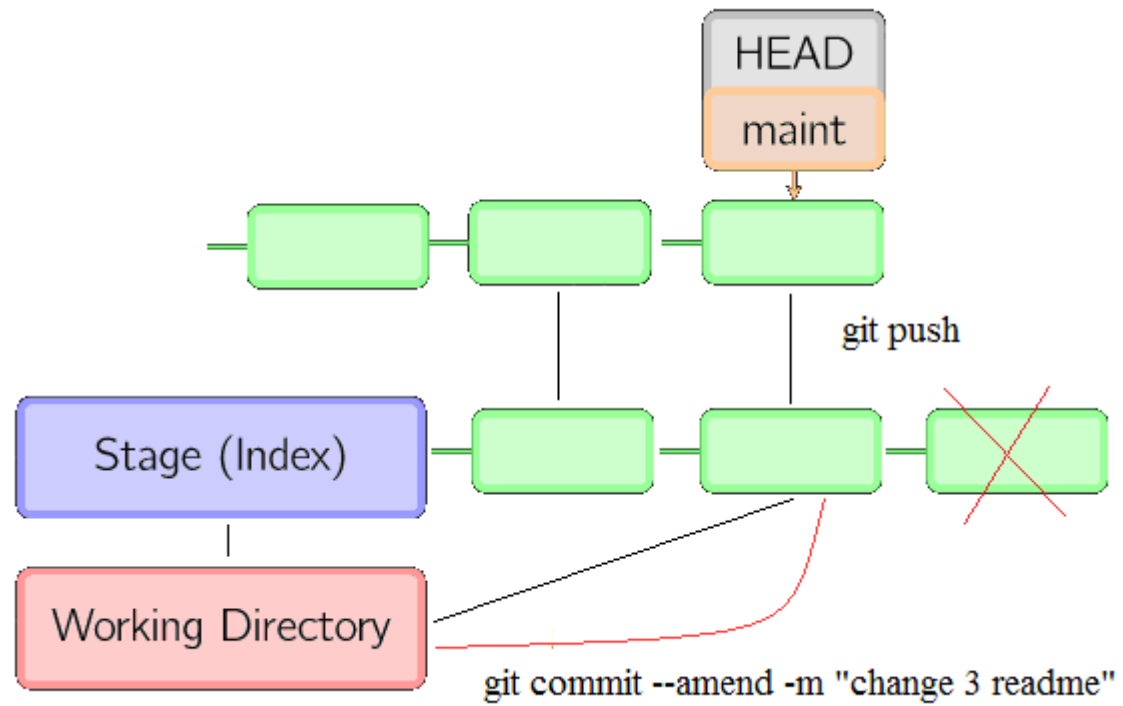
Change file [readme.txt](#)

```
$ git add readme.txt
```

```
$ git log -4
```

```
$ git commit --amend -m "change 3 readme"
```

```
$ git push
```



7) Resolving Conflict

Change file `readme.txt`

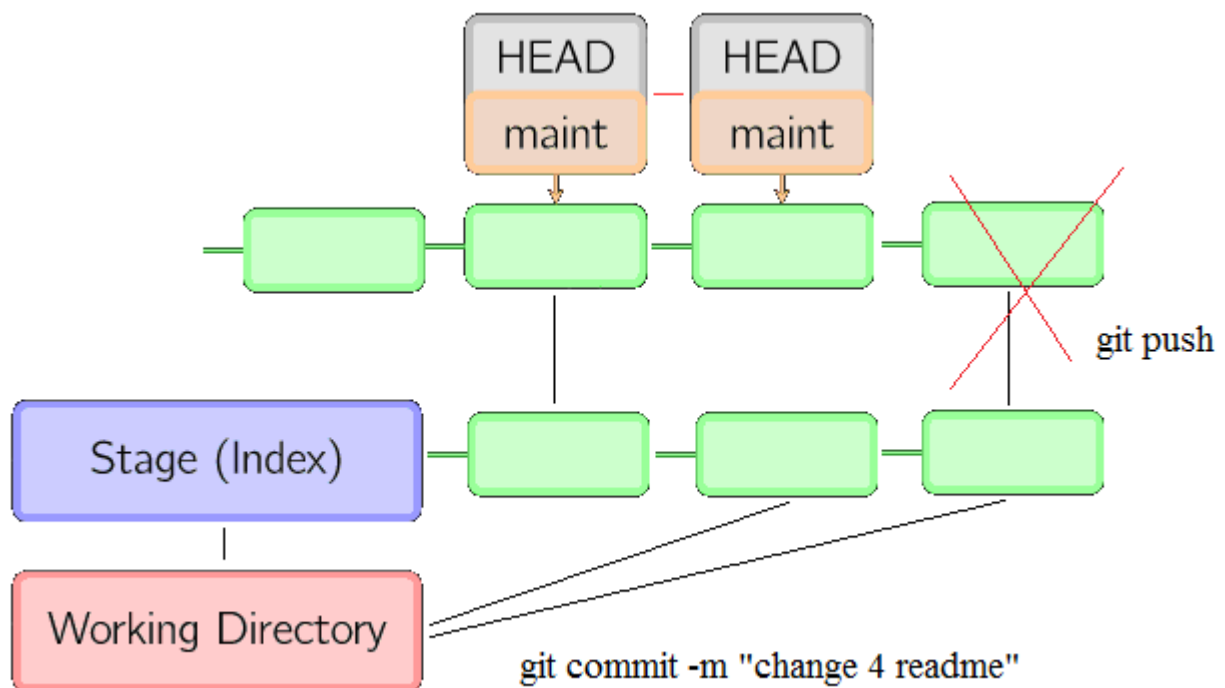
```
$ git add readme.txt
```

```
$ git status
```

```
$ git commit -m "change 4 readme"
```

```
$ git push
```

error: failed to push some refs to 'https://github.com/softservedata/atqc.git'
hint: (e.g., 'git pull ...') **before pushing** again.



```
$ git pull
```

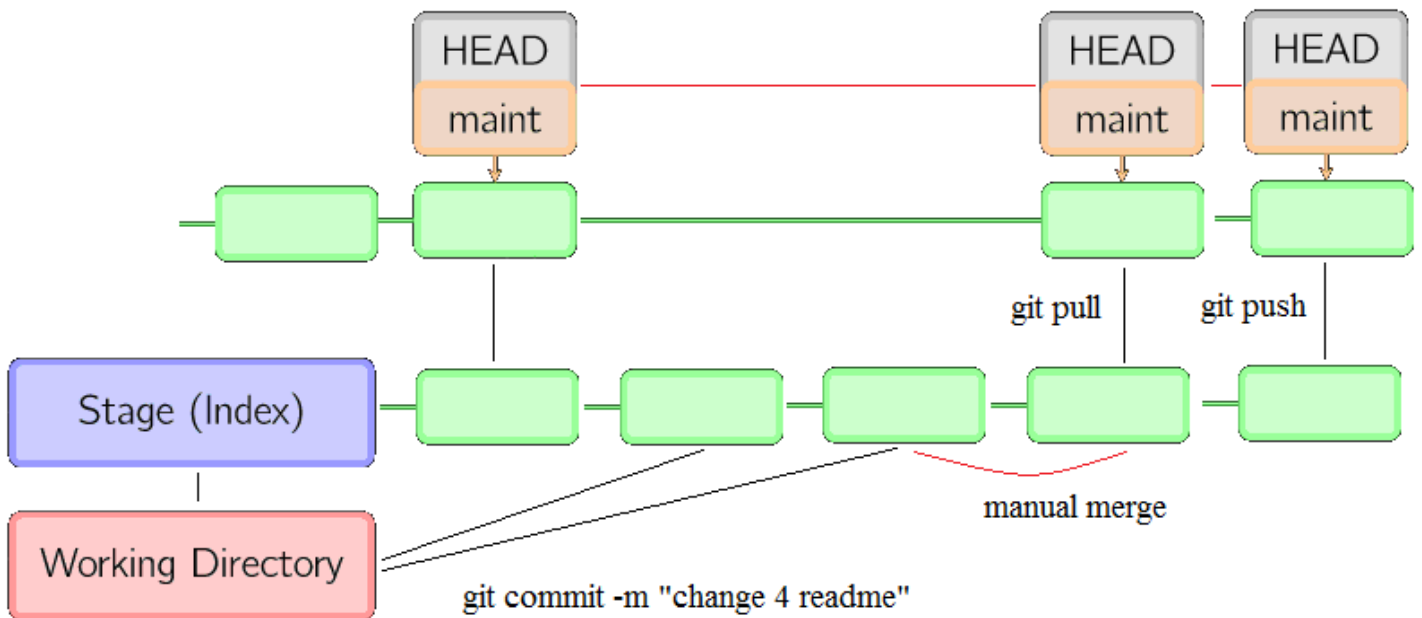
Auto-merging readme.txt

CONFLICT (content): Merge conflict in readme.txt

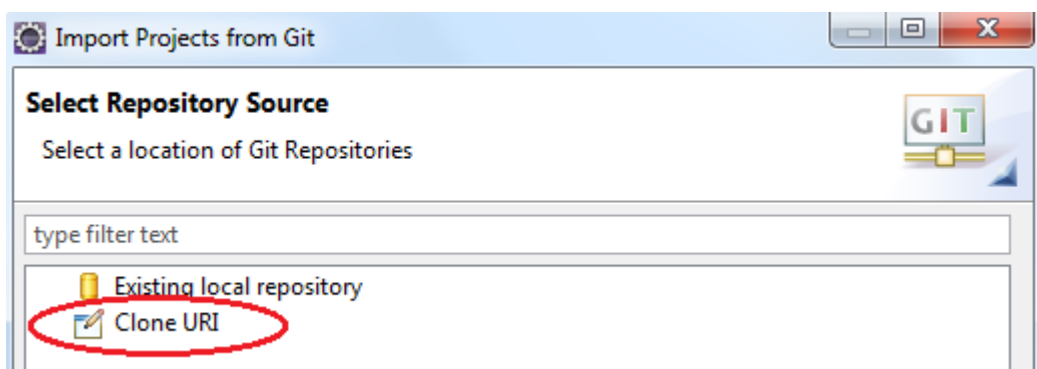
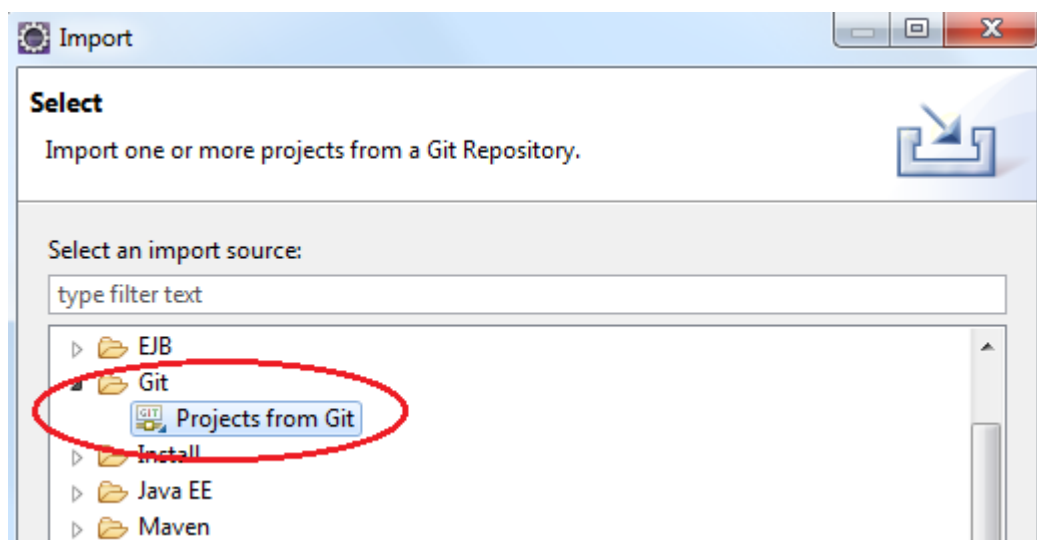
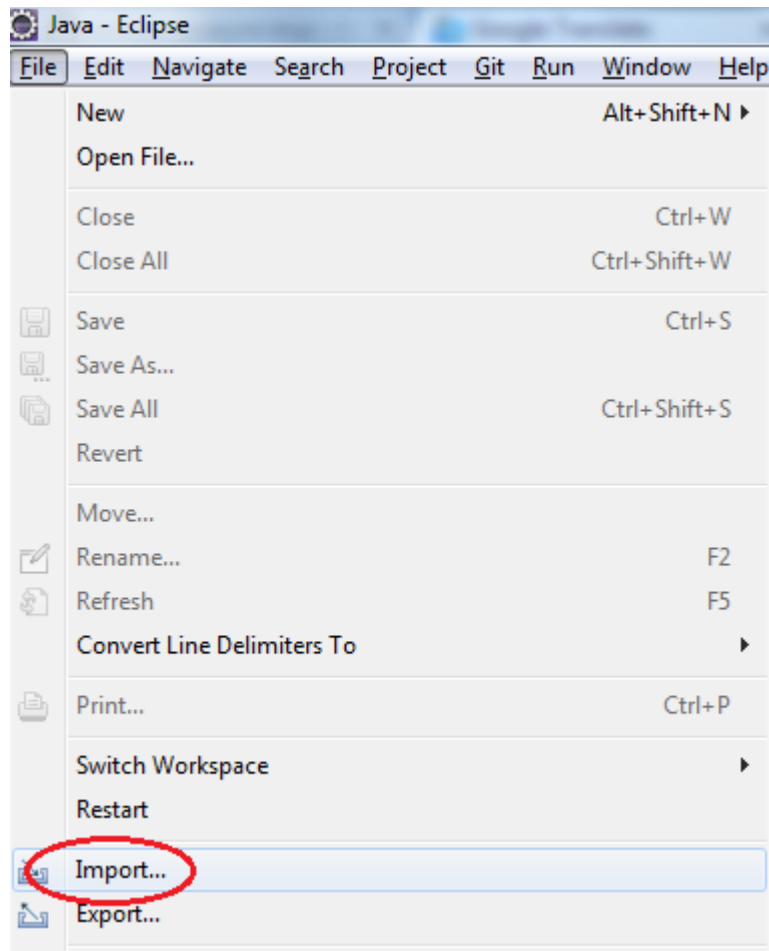
file:

```
<<<<<<< HEAD
for_delete33445689
1
2
3
=====
for_delete3344568AB
>>>>>>> 88ac9b4952006c9b5312322b11cdb4ab2811217f
```

```
$ git add readme.txt
$ git status
$ git commit -m "change 284 readme"
$ git push
```



8) Eclipse



Import Projects from Git

Source Git Repository

Enter the location of the source repository.

Location

URI: https://github.com/JaroslavGarasym/atqc.git Local File...

Host: github.com

Repository path: /JaroslavGarasym/atqc.git

Connection

Protocol: https

Port:

Authentication

User:

Password:

Store in Secure Store ☐


Import Projects from Git

Branch Selection

Select branches to clone from remote repository. Remote tracking branches will be created to track updates for these branches in the remote repository.

Branches of https://github.com/JaroslavGarasym/atqc.git:

type filter text

☒  master

Import Projects from Git

Local Destination

Configure the local storage location for atqc.

Destination

Directory: C:\Users\User\git\atqc Browse

Initial branch: master

☐ Clone submodules

