Administrator@JAVA MINGW64 ~

$ cd GITDemo

Administrator@JAVA MINGW64 ~/GITDemo

$ git init

Initialized empty Git repository in C:/Users/Administrator/GITDemo/.git/

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git add .

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git status

On branch master

Initial commit

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: .gitignore

new file: File1.txt

new file: FileToDelete.txt

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git commit -am "This is first commit,Tracking file1 and filetodelete"

[master (root-commit) cf52b5f] This is first commit,Tracking file1 and filetodelete

3 files changed, 9 insertions(+)

create mode 100644 .gitignore

create mode 100644 File1.txt

create mode 100644 FileToDelete.txt

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git status

On branch master

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git checkout -- <file>..." to discard changes in working directory)

modified: File1.txt

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

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git commit -am "Change in file1"

[master b538123] Change in file1

1 file changed, 4 insertions(+), 1 deletion(-)

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git log --oneline

b538123 Change in file1

cf52b5f This is first commit,Tracking file1 and filetodelete

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git commit -am "Change2 in file1"

[master 8fa98b2] Change2 in file1

1 file changed, 3 insertions(+), 1 deletion(-)

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git log --oneline

8fa98b2 Change2 in file1

b538123 Change in file1

cf52b5f This is first commit,Tracking file1 and filetodelete

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git commit -am "FileToDelete is deleted"

[master 5e7e2e5] FileToDelete is deleted

1 file changed, 1 deletion(-)

delete mode 100644 FileToDelete.txt

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git log --oneline

5e7e2e5 FileToDelete is deleted

8fa98b2 Change2 in file1

b538123 Change in file1

cf52b5f This is first commit,Tracking file1 and filetodelete

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git reset 8fa98b2

Unstaged changes after reset:

D FileToDelete.txt

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git status

On branch master

Changes not staged for commit:

(use "git add/rm <file>..." to update what will be committed)

(use "git checkout -- <file>..." to discard changes in working directory)

deleted: FileToDelete.txt

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

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git reset --hard 8fa98b2

HEAD is now at 8fa98b2 Change2 in file1

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git status

On branch master

nothing to commit, working tree clean

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git rm File1.txt TestFile.txt

fatal: pathspec 'TestFile.txt' did not match any files

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git mv File1.txt TestFile.txt

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git status

On branch master

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

renamed: File1.txt -> TestFile.txt

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git commit -am "File1 renamed to TestFile"

[master 0a49276] File1 renamed to TestFile

1 file changed, 0 insertions(+), 0 deletions(-)

rename File1.txt => TestFile.txt (100%)

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git log --oneline

0a49276 File1 renamed to TestFile

8fa98b2 Change2 in file1

b538123 Change in file1

cf52b5f This is first commit,Tracking file1 and filetodelete

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git branch bug

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git checkout bug

M TestFile.txt

Switched to branch 'bug'

Administrator@JAVA MINGW64 ~/GITDemo (bug)

$ git checkout master

M TestFile.txt

Switched to branch 'master'

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git commit -am "change in master in file1"

[master e6bcf32] change in master in file1

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

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git log --oneline

e6bcf32 change in master in file1

0a49276 File1 renamed to TestFile

8fa98b2 Change2 in file1

b538123 Change in file1

cf52b5f This is first commit,Tracking file1 and filetodelete

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git checkout bug

Switched to branch 'bug'

Administrator@JAVA MINGW64 ~/GITDemo (bug)

$ git checkout master

Switched to branch 'master'

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git checkout bug

Switched to branch 'bug'

Administrator@JAVA MINGW64 ~/GITDemo (bug)

$ git status

On branch bug

nothing to commit, working tree clean

Administrator@JAVA MINGW64 ~/GITDemo (bug)

$ git status

On branch bug

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git checkout -- <file>..." to discard changes in working directory)

modified: TestFile.txt

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

Administrator@JAVA MINGW64 ~/GITDemo (bug)

$ git commit -am "Bug Resolved – Space added between numerical and letters"

[bug 4c0a089] Bug Resolved – Space added between numerical and letters

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

Administrator@JAVA MINGW64 ~/GITDemo (bug)

$ git log --oneline

4c0a089 Bug Resolved – Space added between numerical and letters

0a49276 File1 renamed to TestFile

8fa98b2 Change2 in file1

b538123 Change in file1

cf52b5f This is first commit,Tracking file1 and filetodelete

Administrator@JAVA MINGW64 ~/GITDemo (bug)

$ git checkout bug

Already on 'bug'

Administrator@JAVA MINGW64 ~/GITDemo (bug)

$ git checkout master

Switched to branch 'master'

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git merge bug

Auto-merging TestFile.txt

CONFLICT (content): Merge conflict in TestFile.txt

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

Administrator@JAVA MINGW64 ~/GITDemo (master|MERGING)

$ git merge bug

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.

Administrator@JAVA MINGW64 ~/GITDemo (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)

Unmerged paths:

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

both modified: TestFile.txt

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

Administrator@JAVA MINGW64 ~/GITDemo (master|MERGING)

$ git commit -am "change2 in file1"

[master 81ddbc1] change2 in file1

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git log --oneline

81ddbc1 change2 in file1

4c0a089 Bug Resolved – Space added between numerical and letters

e6bcf32 change in master in file1

0a49276 File1 renamed to TestFile

8fa98b2 Change2 in file1

b538123 Change in file1

cf52b5f This is first commit,Tracking file1 and filetodelete

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git branch bug

fatal: A branch named 'bug' already exists.

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git branch -d bug

Deleted branch bug (was 4c0a089).

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git branch bug

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git checkout bug

Switched to branch 'bug'

Administrator@JAVA MINGW64 ~/GITDemo (bug)

$ git commit -am "Bug Resolved – Space added between numerical and letters"

[bug 6ca2a73] Bug Resolved – Space added between numerical and letters

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

Administrator@JAVA MINGW64 ~/GITDemo (bug)

$ git checkout master

Switched to branch 'master'

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git merge bug

Updating 81ddbc1..6ca2a73

Fast-forward

TestFile.txt | 4 ++--

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

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git log --oneline

6ca2a73 Bug Resolved – Space added between numerical and letters

81ddbc1 change2 in file1

4c0a089 Bug Resolved – Space added between numerical and letters

e6bcf32 change in master in file1

0a49276 File1 renamed to TestFile

8fa98b2 Change2 in file1

b538123 Change in file1

cf52b5f This is first commit,Tracking file1 and filetodelete

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git branch -d bug

Deleted branch bug (was 6ca2a73).

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git revert bug

fatal: bad revision 'bug'

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git checkout -b bug 6ca2a73

Switched to a new branch 'bug'

Administrator@JAVA MINGW64 ~/GITDemo (bug)

$ git mv bug bug123

fatal: bad source, source=bug, destination=bug123

Administrator@JAVA MINGW64 ~/GITDemo (bug)

$ git mv branch bug bug123

fatal: destination 'bug123' is not a directory

Administrator@JAVA MINGW64 ~/GITDemo (bug)

$ git mv branch -b bug bug123

error: unknown switch `b'

usage: git mv [<options>] <source>... <destination>

-v, --verbose be verbose

-n, --dry-run dry run

-f, --force force move/rename even if target exists

-k skip move/rename errors

Administrator@JAVA MINGW64 ~/GITDemo (bug)

$ git branch -m bug123

Administrator@JAVA MINGW64 ~/GITDemo (bug123)

$ git checkout master

Switched to branch 'master'

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git branch idea

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git checkout idea

Switched to branch 'idea'

Administrator@JAVA MINGW64 ~/GITDemo (idea)

$ git status

On branch idea

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git checkout -- <file>..." to discard changes in working directory)

modified: TestFile.txt

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

Administrator@JAVA MINGW64 ~/GITDemo (idea)

$ git commit -am "commited from idea"

[idea 8aea638] commited from idea

1 file changed, 2 insertions(+)

Administrator@JAVA MINGW64 ~/GITDemo (idea)

$ git checkout master

Switched to branch 'master'

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git add .

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git commit -am "added a new file to master"

[master af80549] added a new file to master

1 file changed, 1 insertion(+)

create mode 100644 New.txt

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git checkout idea

Switched to branch 'idea'

Administrator@JAVA MINGW64 ~/GITDemo (idea)

$ git rebase master

First, rewinding head to replay your work on top of it...

Applying: commited from idea

Administrator@JAVA MINGW64 ~/GITDemo (idea)

$ git checkout master

Switched to branch 'master'

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git merge idea

Updating af80549..234c0ef

Fast-forward

TestFile.txt | 2 ++

1 file changed, 2 insertions(+)

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git tag v1.0 -m "Stable version 1.0 released"

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git status

On branch master

nothing to commit, working tree clean

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git log --oneline

234c0ef commited from idea

af80549 added a new file to master

6ca2a73 Bug Resolved – Space added between numerical and letters

81ddbc1 change2 in file1

4c0a089 Bug Resolved – Space added between numerical and letters

e6bcf32 change in master in file1

0a49276 File1 renamed to TestFile

8fa98b2 Change2 in file1

b538123 Change in file1

cf52b5f This is first commit,Tracking file1 and filetodelete

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git -l

Unknown option: -l

usage: git [--version] [--help] [-C <path>] [-c name=value]

[--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]

[-p | --paginate | --no-pager] [--no-replace-objects] [--bare]

[--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]

<command> [<args>]

Administrator@JAVA MINGW64 ~/GITDemo (master)

$ git tag

v1.0