

```

MINGW64/c/Users/k1e7l/gfile x + -
k1e7l@B00K-V2TI50AE9C MINGW64 ~
$ git init gfile
Initialized empty Git repository in C:/Users/k1e7l/gfile/.git/

k1e7l@B00K-V2TI50AE9C MINGW64 ~
$ cd gfile

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ echo aaa > f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git add f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git commit -m A
[main (root-commit) 2f2ca3e] A
1 file changed, 1 insertion(+)
create mode 100644 f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git log --oneline
2f2ca3e (HEAD -> main) A

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ echo bbb >> f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git status -s
M f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git diff
diff --git a/f b/f
index 72943a1..dbee026 100644
--- a/f
+++ b/f
@@ -1,1,2 @@
aaa
+bbb

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git diff --staged
diff --git a/f b/f
index 72943a1..dbee026 100644
--- a/f
+++ b/f
@@ -1,1,2 @@
aaa
+bbb

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git diff HEAD
diff --git a/f b/f
index 72943a1..dbee026 100644
--- a/f
+++ b/f
@@ -1,1,2 @@
aaa
+bbb

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git add f

```

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MINGW64/c/Users/k1e7l/gfile x + -
k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git status -s
M f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git diff

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git diff --staged
diff --git a/f b/f
index 72943a1..dbee026 100644
--- a/f
+++ b/f
@@ -1,1,2 @@
aaa
+bbb

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git diff HEAD
diff --git a/f b/f
index 72943a1..dbee026 100644
--- a/f
+++ b/f
@@ -1,1,2 @@
aaa
+bbb

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git commit -m B
[main b3e56de] B
1 file changed, 1 insertion(+)

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git log --oneline
b3e56de (HEAD -> main) B
2f2ca3e A

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git status
On branch main
nothing to commit, working tree clean

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git diff

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git diff --staged

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git diff HEAD

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git diff HEAD~ HEAD
diff --git a/f b/f
index 72943a1..dbee026 100644
--- a/f

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MINGW64:/c/Users/k1e7l/gfile  ×  +  ▾
@@ -1 +1,2 @@
aaa
+bbb

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git diff --staged HEAD~
diff --git a/f b/f
index 72943a1..dbee026 100644
--- a/f
+++ b/f
@@ -1 +1,2 @@
aaa
+bbb

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git diff HEAD HEAD~
diff --git a/f b/f
index dbee026..72943a1 100644
--- a/f
+++ b/f
@@ -1,2 +1 @@
aaa
-bbb

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git diff HEAD~
diff --git a/f b/f
index 72943a1..dbee026 100644
--- a/f
+++ b/f
@@ -1 +1,2 @@
aaa
+bbb

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git config --global alias.ss 'status -s'

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ echo 111 > g

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git add f g

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git commit -m 1
[main 6f0ce0c] 1
1 file changed, 1 insertion(+)
create mode 100644 g

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git log --oneline
6f0ce0c (HEAD -> main) 1
b3e56de B
2f2ca3e A

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)

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MINGW64:/c/Users/k1e7l/gfile  ×  +  ▾
f g

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git ss

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git rm g
rm 'g'

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git ss
D g

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ ls
f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git ls-files
f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git ss
D g

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git ss
D g

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ ls
f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git ls-files
f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git log --oneline
6f0ce0c (HEAD -> main) 1
b3e56de B
2f2ca3e A

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git show
commit 6f0ce0c33e3a3725674a14d26644f094e69c80dc (HEAD -> main)
Author: jw13k <smilejw13@dongyang.ac.kr>
Date: Sun Dec 10 23:32:46 2023 +0900

    1

diff --git a/g b/g
new file mode 100644
index 0000000..58c9bdf
--- /dev/null
+++ b/g

```

```

+111

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git restore --source=HEAD~ --staged g
error: pathspec 'g' did not match any file(s) known to git

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git ls-files
f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git restore --source=HEAD~ --staged g
error: pathspec 'g' did not match any file(s) known to git

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    deleted:   g

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git ss
D g

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git ls-files
f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ ls
f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git restore g
error: pathspec 'g' did not match any file(s) known to git

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ ls
f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git restore g
error: pathspec 'g' did not match any file(s) known to git

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ ls
f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    deleted:   g

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k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git ss
D g

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git rm --cached g
fatal: pathspec 'g' did not match any files

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git ls-files
f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git rm --cached g
fatal: pathspec 'g' did not match any files

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git ls-files
f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    deleted:   g

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git ss
D g

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ rm g
rm: cannot remove 'g': No such file or directory

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ ls
f

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git ss
D g

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ rm g
rm: cannot remove 'g': No such file or directory

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git ss
D g

k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)
$ git rm f
rm 'f'

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MINGW64~/c/Users/k1e7l/gfile × + ▾  
D g  
  
k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)  
$ rm g  
rm: cannot remove 'g': No such file or directory  
  
k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)  
$ ls  
f  
  
k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)  
$ git ss  
D g  
  
k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)  
$ rm g  
rm: cannot remove 'g': No such file or directory  
  
k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)  
$ git ss  
D g  
  
k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)  
$ git rm f  
rm 'f'  
  
k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)  
$ git restore --source=HEAD f  
  
k1e7l@B00K-V2TI50AE9C MINGW64 ~/gfile (main)  
$
```