```
You do not have the initial commit yet
                                                                                                                                                  --- /dev/null
                                                                                                                                                 +++ b/h
$ git init grst
                                                                         k1e7l@BOOK-V2TI50AE9C MINGW64 ~/grst (main)
                                                                                                                                                 @@ -0,0 +1,4 @@
Initialized empty Git repository in C:/Users/k1e7l/grst/.git/
                                                                         $ git stash list
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                         $ git status
$ cd grst
                                                                         On branch main
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                  k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
$ echo 123 > h
                                                                         No commits yet
                                                                                                                                                  $ git reset --hard HEAD~
                                                                                                                                                  fatal: ambiguous argument 'HEAD~': unknown revision or path not in th
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                         Changes to be committed:
                                                                                                                                                  e working tree.
                                                                           (use "git rm --cached <file>..." to unstage)
$ git add h
                                                                                                                                                  Use '--' to separate paths from revisions, like this:
                                                                                 new file: h
                                                                                                                                                  'git <command> [<revision>...] -- [<file>...]'
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                         Changes not staged for commit:
$ git commit -m Numeric
                                                                                                                                                  k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                           (use "git add <file>..." to update what will be committed)
error: pathspec '-m' did not match any file(s) known to git
                                                                                                                                                  $ git reset --hard ORIG_HEAD
                                                                           (use "git restore <file>..." to discard changes in working director
error: pathspec 'Numeric' did not match any file(s) known to git
                                                                                                                                                 fatal: ambiguous argument 'ORIG_HEAD': unknown revision or path not i
                                                                                                                                                 n the working tree.
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                  Use '--' to separate paths from revisions, like this:
$ echo ABC >> h
                                                                                                                                                  'git <command> [<revision>...] -- [<file>...]'
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                 k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/qrst (main)
$ git commit -am Alphabet
                                                                                                                                                 $ git reset --hard ORIG_HEAD
                                                                         fatal: your current branch 'main' does not have any commits yet
error: pathspec '-am' did not match any file(s) known to git
                                                                                                                                                 fatal: ambiguous argument 'ORIG_HEAD': unknown revision or path not i
error: pathspec 'Alphabet' did not match any file(s) known to git
                                                                                                                                                 n the working tree.
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                 Use '--' to separate paths from revisions, like this:
                                                                         $ git reset --hard HEAD~
                                                                                                                                                  'git <command> [<revision>...] -- [<file>...]'
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                         fatal: ambiguous argument 'HEAD~': unknown revision or path not in th
$ git commit -am Alphabet
                                                                         e working tree.
error: pathspec '-am' did not match any file(s) known to git
                                                                                                                                                  k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                         Use '--' to separate paths from revisions, like this:
error: pathspec 'Alphabet' did not match any file(s) known to git
                                                                                                                                                  $ git status
                                                                         'git <command> [<revision>...] -- [<file>...]'
                                                                                                                                                  On branch main
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                  No commits yet
$ echo AB12 >> h
                                                                         $ cat h
                                                                         123
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                  Changes to be committed:
                                                                         ABC
                                                                                                                                                   (use "git rm --cached <file>..." to unstage)
$ git commit -am Alphanumeric
                                                                         AB12
error: pathspec '-am' did not match any file(s) known to git
                                                                         '[1, 2]'
error: pathspec 'Alphanumeric' did not match any file(s) known to git
                                                                          '{1, 2}'
                                                                                                                                                 Changes not staged for commit:
                                                                                                                                                    (use "git add <file>..." to update what will be committed)
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                    (use "git restore <file>..." to discard changes in working director
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                         $ ait loa --oneline
$ echo '[1, 2]' >> h
                                                                         fatal: your current branch 'main' does not have any commits yet
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
$ git add h
                                                                         $ git diff
                                                                                                                                                 k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/qrst (main)
                                                                         diff --git a/h b/h
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                 $ cat h
                                                                         index 5be4b7d..257e01d 100644
                                                                                                                                                 123
$ echo '{1, 2}' >> h
                                                                         --- a/h
                                                                                                                                                 ABC
                                                                         +++ b/h
                                                                                                                                                 AB12
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                         @@ -2,3 +2,4 @@
                                                                                                                                                  '[1, 2]
$ git status
                                                                          ABC
                                                                                                                                                  '{1, 2}'
On branch main
                                                                          AB12
                                                                          '[1, 2]'
                                                                                                                                                  k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
No commits yet
                                                                                                                                                 $ git log --oneline
                                                                                                                                                  fatal: your current branch 'main' does not have any commits yet
Changes to be committed:
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
 (use "git rm --cached <file>..." to unstage)
                                                                         $ git diff HEAD
                                                                                                                                                  k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
       new file: h
                                                                         fatal: ambiguous argument 'HEAD': unknown revision or path not in the
                                                                                                                                                 $ git diff
                                                                                                                                                 diff --git a/h b/h
Changes not staged for commit:
                                                                         Use '--' to separate paths from revisions, like this:
                                                                                                                                                  index 5be4b7d..257e01d 100644
 (use "git add <file>..." to update what will be committed)
                                                                         'git <command> [<revision>...] -- [<file>...]'
                                                                                                                                                  --- a/h
 (use "git restore <file>..." to discard changes in working director
                                                                                                                                                 +++ b/h
y)
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                  @@ -2,3 +2,4 @@
                                                                         $ git diff --staged
                                                                                                                                                   ABC
                                                                         diff --git a/h b/h
                                                                                                                                                   AB12
                                                                         new file mode 100644
                                                                                                                                                   '[1, 2]'
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
```

MINGW64:/c/Users/k1e7l/grst

MINGW64:/c/Users/k1e7l/grst ×

MINGW64:/c/Users/k1e7l/grst X

```
MINGW64:/c/Users/k1e7l/grst ×
                                                                                                                                                    MINGW64:/c/Users/k1e7l/grst X
                                                                         fatal: ambiguous argument 'HEAD~': unknown revision or path not in th
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                   error: invalid option: --satged
                                                                         e working tree.
$ git diff HEAD
                                                                         Use '--' to separate paths from revisions, like this:
fatal: ambiguous argument 'HEAD': unknown revision or path not in the
                                                                         'git <command> [<revision>...] -- [<file>...]'
working tree.
                                                                                                                                                  $ git log --oneline
Use '--' to separate paths from revisions, like this:
                                                                                                                                                  fatal: your current branch 'main' does not have any commits yet
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
'git <command> [<revision>...] -- [<file>...]'
                                                                         $ git reset --hard ORIG HEAD
                                                                                                                                                   k1e7l@B00K-V2TI50AE9C MINGW64 ~/grst (main)
                                                                         fatal: ambiguous argument 'ORIG_HEAD': unknown revision or path not i
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                  $ ait reset --soft HEAD~
                                                                         n the working tree.
$ git diff --satged
                                                                                                                                                  fatal: ambiguous argument 'HEAD~': unknown revision or path not in th
                                                                         Use '--' to separate paths from revisions, like this:
error: invalid option: --satged
                                                                                                                                                  e working tree.
                                                                         'git <command> [<revision>...] -- [<file>...]'
                                                                                                                                                   Use '--' to separate paths from revisions, like this:
                                                                                                                                                   'git <command> [<revision>...] -- [<file>...]'
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
$ git log --oneline
                                                                         $ git reset --hard ORIG_HEAD
fatal: your current branch 'main' does not have any commits yet
                                                                                                                                                   k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                         fatal: ambiguous argument 'ORIG_HEAD': unknown revision or path not i
                                                                                                                                                   $ cat h
                                                                         n the working tree.
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                  123
                                                                         Use '--' to separate paths from revisions, like this:
$ git reset --mixed HEAD~
                                                                                                                                                  ABC
                                                                         'git <command> [<revision>...] -- [<file>...]'
fatal: ambiguous argument 'HEAD~': unknown revision or path not in th
                                                                                                                                                   AB12
e working tree.
                                                                                                                                                   '[1, 2]'
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
Use '--' to separate paths from revisions, like this:
                                                                                                                                                   '{1, 2}'
                                                                         $ git status
'git <command> [<revision>...] -- [<file>...]'
                                                                         On branch main
                                                                                                                                                   k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                   $ git log --oneline
                                                                         No commits yet
                                                                                                                                                   fatal: your current branch 'main' does not have any commits yet
$ cat h
123
                                                                         Changes to be committed:
ABC
                                                                                                                                                   k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                           (use "git rm --cached <file>..." to unstage)
AB12
                                                                                                                                                  $ git diff
                                                                                 new file: h
                                                                                                                                                  diff --git a/h b/h
'[1, 2]'
                                                                                                                                                  index 5be4b7d..257e01d 100644
'{1, 2}'
                                                                         Changes not staged for commit:
                                                                                                                                                   --- a/h
                                                                           (use "git add <file>..." to update what will be committed)
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                   +++ b/h
                                                                           (use "git restore <file>..." to discard changes in working director
                                                                                                                                                   @@ -2,3 +2,4 @@
$ git log --oneline
                                                                                                                                                   ABC
fatal: your current branch 'main' does not have any commits yet
                                                                                                                                                   AB12
                                                                                                                                                    '[1, 2]'
$ git diff
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
diff --git a/h b/h
                                                                         $ cat h
                                                                                                                                                   k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
index 5be4b7d..257e01d 100644
                                                                         123
                                                                                                                                                  $ git diff HEAD
--- a/h
                                                                         ABC
                                                                                                                                                   fatal: ambiguous argument 'HEAD': unknown revision or path not in the
+++ b/h
                                                                         AB12
@@ -2,3 +2,4 @@
                                                                         '[1, 2]
                                                                                                                                                   Use '--' to separate paths from revisions, like this:
ABC
                                                                         '{1, 2}'
                                                                                                                                                   'git <command> [<revision>...] -- [<file>...]'
AB12
 '[1, 2]'
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                   k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                         $ git log --oneline
                                                                                                                                                   $ git diff --staged
                                                                         fatal: your current branch 'main' does not have any commits yet
                                                                                                                                                  diff --git a/h b/h
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                   new file mode 100644
$ git diff HEAD
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                   index 0000000..5be4b7d
fatal: ambiguous argument 'HEAD': unknown revision or path not in the
                                                                         $ git diff
                                                                                                                                                   --- /dev/null
working tree.
                                                                         diff --git a/h b/h
                                                                                                                                                   +++ b/h
Use '--' to separate paths from revisions, like this:
                                                                         index 5be4b7d..257e01d 100644
                                                                                                                                                   @@ -0,0 +1,4 @@
'git <command> [<revision>...] -- [<file>...]'
                                                                         --- a/h
                                                                         +++ b/h
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                         00 - 2,3 + 2,4 00
$ git diff --staged
                                                                          ABC
diff --git a/h b/h
                                                                          AB12
new file mode 100644
                                                                          '[1, 2]'
                                                                                                                                                   k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
index 0000000..5be4b7d
                                                                                                                                                   $ git reset --soft HEAD~
--- /dev/null
                                                                                                                                                   fatal: ambiguous argument 'HEAD~': unknown revision or path not in th
+++ b/h
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                   e working tree.
@@ -0,0 +1,4 @@
                                                                         $ git diff HEAD
                                                                                                                                                   Use '--' to separate paths from revisions, like this:
                                                                         fatal: ambiguous argument 'HEAD': unknown revision or path not in the
                                                                                                                                                   'git <command> [<revision>...] -- [<file>...]'
                                                                         Use '--' to separate paths from revisions, like this:
                                                                                                                                                   k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                         'git <command> [<revision>...] -- [<file>...]'
                                                                                                                                                  $ git reset --hard ORIG_HEAD
                                                                                                                                                  fatal: ambiguous argument 'ORIG_HEAD': unknown revision or path not i
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                         k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                   n the working tree.
```

MINGW64:/c/Users/kie/i/grst × +

```
MINGW64:/c/Users/k1e7l/grst X
                                                                                                                                                  MINGW64:/c/Users/k1e7l/grst ×
 'git <command> [<revision>...] -- [<file>...]'
                                                                          bash: $: command not found
                                                                                                                                                   '[1, 2]'
                                                                                                                                                   '{1, 2}'
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                          k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
$ git reset --hard ORIG_HEAD
                                                                                                                                                  k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                         $ git status
fatal: ambiguous argument 'ORIG_HEAD': unknown revision or path not i
                                                                                                                                                  $ git log --oneline
                                                                          On branch main
n the working tree.
                                                                                                                                                  fatal: your current branch 'main' does not have any commits yet
Use '--' to separate paths from revisions, like this:
                                                                          No commits vet
'git <command> [<revision>...] -- [<file>...]'
                                                                                                                                                  k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                  $ git checkout main
                                                                          Changes to be committed:
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                            (use "git rm --cached <file>..." to unstage)
                                                                                                                                                  error: pathspec 'main' did not match any file(s) known to git
$ git status
On branch main
                                                                                                                                                  $ ait checkout HEAD~2
                                                                          Changes not staged for commit:
No commits yet
                                                                                                                                                  error: pathspec 'HEAD~2' did not match any file(s) known to git
                                                                            (use "git add <file>..." to update what will be committed)
                                                                            (use "git restore <file>..." to discard changes in working director
Changes to be committed:
                                                                                                                                                  k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
  (use "git rm --cached <file>..." to unstage)
                                                                                                                                                  $ cat h
        new file: h
                                                                                                                                                  123
                                                                                                                                                  ABC
Changes not staged for commit:
                                                                                                                                                  AB12
                                                                          k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
  (use "git add <file>..." to update what will be committed)
                                                                                                                                                   '[1, 2]'
                                                                          $ cat h
  (use "git restore <file>..." to discard changes in working director
                                                                                                                                                   '{1, 2}'
                                                                          123
                                                                          ABC
                                                                                                                                                  k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                          AB12
                                                                                                                                                  $ git log --oneline
                                                                          '[1, 2]'
                                                                                                                                                  fatal: your current branch 'main' does not have any commits yet
                                                                          '{1, 2}'
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                  k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
$ cat h
                                                                          k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                                                                                                  $ git checkout -
123
                                                                          $ git log --oneline
                                                                                                                                                  error: pathspec '-' did not match any file(s) known to git
ABC
                                                                          $ git diff
AB12
                                                                          $ git diff HEAD
                                                                                                                                                  k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
 '[1, 2]'
                                                                          $ git diff --satged
                                                                                                                                                  $
({1, 2})
                                                                          fatal: your current branch 'main' does not have any commits yet
                                                                          bash: $: command not found
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                          bash: $: command not found
                                                                          bash: $: command not found
$ git log --oneline
fatal: your current branch 'main' does not have any commits yet
                                                                          k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                          $ git reset 9033
$ git diff
                                                                          fatal: ambiguous argument '9033': unknown revision or path not in the
diff --git a/h b/h
                                                                          Use '--' to separate paths from revisions, like this:
index 5be4b7d..257e01d 100644
                                                                          'git <command> [<revision>...] -- [<file>...]'
--- a/h
+++ b/h
                                                                          k1e7l@BOOK-V2TI50AE9C MINGW64 ~/grst (main)
@@ -2,3 +2,4 @@
                                                                          $ git checkout 9033
 ABC
                                                                          error: pathspec '9033' did not match any file(s) known to git
 AB12
 '[1, 2]'
                                                                           <1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)</pre>
                                                                          $ git checkout HEAD~
                                                                          error: pathspec 'HEAD~' did not match any file(s) known to git
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                           (1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
fatal: ambiguous argument 'HEAD': unknown revision or path not in the
                                                                          $ git reset --hard HEAD $ git status
 working tree.
                                                                          fatal: ambiguous argument 'HEAD': unknown revision or path not in the
Use '--' to separate paths from revisions, like this:
'git <command> [<revision>...] -- [<file>...]'
                                                                          Use '--' to separate paths from revisions, like this:
                                                                          'git <command> [<revision>...] -- [<file>...]'
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
$ git diff --satged
                                                                          k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
error: invalid option: --satged
                                                                          $ git checkout HEAD~
                                                                          error: pathspec 'HEAD~' did not match any file(s) known to git
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
$ git stash apply --index
                                                                          k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
No stash entries found.
                                                                          $ cat h
                                                                          123
k1e7l@BOOK-V2TI5OAE9C MINGW64 ~/grst (main)
                                                                          ABC
$ pply --index
                                                                          AB12
$ q
```

MINGW64:/c/Users/k1e7l/grst ×