

Work

```
bekaryssherman@MacBook-Air-2 ~ % git config --global user.name  
"BekarysKbtu"
```

```
bekaryssherman@MacBook-Air-2 ~ % git config --global user.email  
"b_sherman@kbtu.kz"
```

```
bekaryssherman@MacBook-Air-2 ~ % git config --global  
init.defaultBranch main
```

```
bekaryssherman@MacBook-Air-2 ~ % git config --global  
core.autocrlf input
```

```
git config --global core.safecrlf warn
```

```
bekaryssherman@MacBook-Air-2 ~ % mkdir work
```

```
bekaryssherman@MacBook-Air-2 ~ % cd Desktop
```

```
bekaryssherman@MacBook-Air-2 Desktop % mkdir work
```

```
bekaryssherman@MacBook-Air-2 Desktop % cd work
```

```
bekaryssherman@MacBook-Air-2 work % touch hello.html
```

```
bekaryssherman@MacBook-Air-2 work % git init
```

```
Initialized empty Git repository in /Users/bekaryssherman/Desktop/  
work/.git/
```

```
bekaryssherman@MacBook-Air-2 work % git add hello.html
```

```
git commit -m "Initial Commit"
```

```
[main (root-commit) 610686b] Initial Commit
```

```
1 file changed, 1 insertion(+)
```

```
create mode 100644 hello.html
```

```
bekaryssherman@MacBook-Air-2 work % git status
```

```
On branch main
```

```
nothing to commit, working tree clean
```

```
bekaryssherman@MacBook-Air-2 work % git status
```

```
On branch main
```

```
Changes not staged for commit:
```

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

```
(use "git restore <file>..." to discard changes in working directory)
```

```
modified:   hello.html
```

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

```
bekaryssherman@MacBook-Air-2 work % git add hello.html
```

```
bekaryssherman@MacBook-Air-2 work % git status
```

```
On branch main
```

```
Changes to be committed:
```

```
(use "git restore --staged <file>..." to unstage)
```

```
modified:   hello.html
```

```
bekaryssherman@MacBook-Air-2 work % git add a.html
```

```
git add b.html
```

```
git commit -m "Changes for a and b"
```

```
[main 6ad63e1] Changes for a and b
```

```
3 files changed, 1 insertion(+), 1 deletion(-)
```

```
create mode 100644 a.html
```

```
create mode 100644 b.html
```

```
bekaryssherman@MacBook-Air-2 work % git add c.html
```

```
git commit -m "Unrelated change to c"
```

```
[main 69a3b29] Unrelated change to c
```

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

```
create mode 100644 c.html
```

```
bekaryssherman@MacBook-Air-2 work % git commit
```

```
On branch main
```

```
nothing to commit, working tree clean
```

```
bekaryssherman@MacBook-Air-2 work % git status
```

```
On branch main
```

```
nothing to commit, working tree clean
```

```
bekaryssherman@MacBook-Air-2 work % git add hello.html
```

```
bekaryssherman@MacBook-Air-2 work % git status
```

```
On branch main
```

```
Changes to be committed:
```

```
(use "git restore --staged <file>..." to unstage)
```

```
modified:   hello.html
```

```
Changes not staged for commit:
```

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

```
(use "git restore <file>..." to discard changes in working directory)
```

```
modified:   hello.html
```

```
bekaryssherman@MacBook-Air-2 work % git commit -m "Added  
standard HTML page tags"
```

```
git status
```

```
[main 85276c5] Added standard HTML page tags
```

```
1 file changed, 5 insertions(+), 1 deletion(-)
```

```
On branch main
```

```
Changes not staged for commit:
```

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

```
(use "git restore <file>..." to discard changes in working directory)
```

```
modified:   hello.html
```

no changes added to commit (use "git add" and/or "git commit -a")
bekaryssherman@MacBook-Air-2 work % git add .

git status

On branch main

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: hello.html

bekaryssherman@MacBook-Air-2 work % git commit -m "Added HTML header"

[main 18bf47d] Added HTML header

1 file changed, 2 insertions(+)

bekaryssherman@MacBook-Air-2 work % git log

commit 18bf47ddce5c511727bfdff461d0637efd4453ed (**HEAD -> main**)

Author: BekarysKbtu <b_sherman@kbtu.kz>

Date: Tue Jun 3 14:05:19 2025 +0500

Added HTML header

commit 85276c51debf868fa89f64e56a24fad4841df97c

Author: BekarysKbtu <b_sherman@kbtu.kz>

Date: Tue Jun 3 14:05:03 2025 +0500

Added standard HTML page tags

commit 69a3b297565d1cc1310b6bbb3673d9cdf17b0deb

Author: BekarysKbtu <b_sherman@kbtu.kz>

Date: Tue Jun 3 14:03:30 2025 +0500

Unrelated change to c

commit 6ad63e1eaade0b76546e2a1e1d1553ffa331ef19

Author: BekarysKbtu <b_sherman@kbtu.kz>

Date: Tue Jun 3 14:03:23 2025 +0500

Changes for a and b

bekaryssherman@MacBook-Air-2 work % git log --pretty=oneline

18bf47ddce5c511727bfdff461d0637efd4453ed (**HEAD -> main**)

Added HTML header

85276c51debf868fa89f64e56a24fad4841df97c Added standard

HTML page tags

69a3b297565d1cc1310b6bbb3673d9cdf17b0deb Unrelated change to c

6ad63e1eaade0b76546e2a1e1d1553ffa331ef19 Changes for a and b

610686b0db338e91ca77826377bf422df9ec7093 Initial Commit

bekaryssherman@MacBook-Air-2 work % git log --all --

pretty=format:"%h %cd %s (%an)" --since="7 days ago"

18bf47d Tue Jun 3 14:05:19 2025 +0500 Added HTML header

(BekarysKbtu)

85276c5 Tue Jun 3 14:05:03 2025 +0500 Added standard HTML

page tags (BekarysKbtu)

69a3b29 Tue Jun 3 14:03:30 2025 +0500 Unrelated change to c

(BekarysKbtu)

6ad63e1 Tue Jun 3 14:03:23 2025 +0500 Changes for a and b

(BekarysKbtu)

610686b Tue Jun 3 14:01:27 2025 +0500 Initial Commit

(BekarysKbtu)

bekaryssherman@MacBook-Air-2 work % git log --pretty=format:"%h

%ad | %s%d [%an]" --date=short

18bf47d 2025-06-03 | Added HTML header (HEAD -> main)

[BekarysKbtu]

85276c5 2025-06-03 | Added standard HTML page tags

[BekarysKbtu]

69a3b29 2025-06-03 | Unrelated change to c [BekarysKbtu]

6ad63e1 2025-06-03 | Changes for a and b [BekarysKbtu]

610686b 2025-06-03 | Initial Commit [BekarysKbtu]

bekaryssherman@MacBook-Air-2 work % git config --global

format.pretty '%h %ad | %s%d [%an]'

git config --global log.date short

bekaryssherman@MacBook-Air-2 work % git log

18bf47d 2025-06-03 | Added HTML header (HEAD -> main)

[BekarysKbtu]

85276c5 2025-06-03 | Added standard HTML page tags

[BekarysKbtu]

69a3b29 2025-06-03 | Unrelated change to c [BekarysKbtu]

6ad63e1 2025-06-03 | Changes for a and b [BekarysKbtu]

610686b 2025-06-03 | Initial Commit [BekarysKbtu]

bekaryssherman@MacBook-Air-2 work % git checkout <hash>

cat hello.html

zsh: parse error near `\\n'

bekaryssherman@MacBook-Air-2 work % git checkout <hash>

zsh: parse error near `\\n'

```
bekaryssherman@MacBook-Air-2 work % cat hello.html
```

```
<html>
  <head>
  </head>
  <body>
    <h1>Hello, World!</h1>
  </body>
</html>%
```

```
bekaryssherman@MacBook-Air-2 work % git checkout
```

```
18bf47ddce5c511727bfdff461d0637efd4453ed
```

```
Note: switching to '18bf47ddce5c511727bfdff461d0637efd4453ed'.
```

You are in 'detached HEAD' state. You can look around, make experimental changes and commit them, and you can discard any commits you make in this state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may do so (now or later) by using `-c` with the switch command. Example:

```
git switch -c <new-branch-name>
```

Or undo this operation with:

```
git switch -
```

Turn off this advice by setting config variable `advice.detachedHead` to false

```
HEAD is now at 18bf47d Added HTML header
```

```
bekaryssherman@MacBook-Air-2 work % git checkout
```

```
18bf47ddce5c511727bfdff461d0637efd4453ed
```

```
cat hello.html
```

```
HEAD is now at 18bf47d Added HTML header
```

```
<html>
  <head>
  </head>
  <body>
    <h1>Hello, World!</h1>
  </body>
```

```
</html>%
bekaryssherman@MacBook-Air-2 work % git switch main
cat hello.html
Switched to branch 'main'
<html>
  <head>
</head>
  <body>
    <h1>Hello, World!</h1>
  </body>
</html>%
bekaryssherman@MacBook-Air-2 work % git tag v1
git log
18bf47d 2025-06-03 | Added HTML header (HEAD -> main, tag: v1)
[BekarysKbtu]
85276c5 2025-06-03 | Added standard HTML page tags
[BekarysKbtu]
69a3b29 2025-06-03 | Unrelated change to c [BekarysKbtu]
6ad63e1 2025-06-03 | Changes for a and b [BekarysKbtu]
610686b 2025-06-03 | Initial Commit [BekarysKbtu]
bekaryssherman@MacBook-Air-2 work % git checkout v1^
cat hello.html
Note: switching to 'v1^'.
```

You are in 'detached HEAD' state. You can look around, make experimental changes and commit them, and you can discard any commits you make in this state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may do so (now or later) by using `-c` with the switch command. Example:

```
git switch -c <new-branch-name>
```

Or undo this operation with:

```
git switch -
```

Turn off this advice by setting config variable `advice.detachedHead` to false

HEAD is now at 85276c5 Added standard HTML page tags

```
<html>
```

```
<body>
```

```
<h1>Hello, World!</h1>
```

```
</body>
```

```
</html>%
```

```
bekaryssherman@MacBook-Air-2 work % git tag v1-beta
```

```
git log
```

```
85276c5 2025-06-03 | Added standard HTML page tags (HEAD, tag: v1-beta) [BekarysKbtu]
```

```
69a3b29 2025-06-03 | Unrelated change to c [BekarysKbtu]
```

```
6ad63e1 2025-06-03 | Changes for a and b [BekarysKbtu]
```

```
610686b 2025-06-03 | Initial Commit [BekarysKbtu]
```

```
bekaryssherman@MacBook-Air-2 work % git checkout v1
```

```
git checkout v1-beta
```

```
Previous HEAD position was 85276c5 Added standard HTML page tags
```

```
HEAD is now at 18bf47d Added HTML header
```

```
Previous HEAD position was 18bf47d Added HTML header
```

```
HEAD is now at 85276c5 Added standard HTML page tags
```

```
bekaryssherman@MacBook-Air-2 work % git tag
```

```
v1
```

```
v1-beta
```

```
bekaryssherman@MacBook-Air-2 work % git log main --all
```

```
18bf47d 2025-06-03 | Added HTML header (tag: v1, main)
```

```
[BekarysKbtu]
```

```
85276c5 2025-06-03 | Added standard HTML page tags (HEAD, tag: v1-beta) [BekarysKbtu]
```

```
69a3b29 2025-06-03 | Unrelated change to c [BekarysKbtu]
```

```
6ad63e1 2025-06-03 | Changes for a and b [BekarysKbtu]
```

```
610686b 2025-06-03 | Initial Commit [BekarysKbtu]
```

```
bekaryssherman@MacBook-Air-2 work % git switch main
```

```
Previous HEAD position was 85276c5 Added standard HTML page tags
```

```
Switched to branch 'main'
```

```
bekaryssherman@MacBook-Air-2 work % git status
```

```
On branch main
```

```
Changes not staged for commit:
```

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

```
(use "git restore <file>..." to discard changes in working directory)
```

```
modified: hello.html
```

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

bekaryssherman@MacBook-Air-2 work % git restore hello.html

git status

cat hello.html

On branch main

nothing to commit, working tree clean

```
<html>
```

```
  <head>
```

```
  </head>
```

```
  <body>
```

```
    <h1>Hello, World!</h1>
```

```
  </body>
```

```
</html>%
```

bekaryssherman@MacBook-Air-2 work % git add hello.html

bekaryssherman@MacBook-Air-2 work % git status

On branch main

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: hello.html

bekaryssherman@MacBook-Air-2 work % git restore --staged

hello.html

bekaryssherman@MacBook-Air-2 work % git restore hello.html

git status

On branch main

nothing to commit, working tree clean