

```
snad@DESKTOP-P417EU6 MINGW64 ~  
$ git config --global user.email "eminemslimmermarshall68@gmail.com"  
  
snad@DESKTOP-P417EU6 MINGW64 ~  
$ git config --global user.name "Ahmed"
```

```
snad@DESKTOP-P417EU6 MINGW64 ~
```

```
$ git init "myproject"
```

```
Initialized empty Git repository in C:/Users/snad/myproject/.git/
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (master)
$ git status
On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (master)
$ git add index.html
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (master)
$ git status
On branch master
```

```
No commits yet
```

```
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   index.html
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (master)
$ git commit -m 'message'
[master (root-commit) f23794a] message
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.html
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (master)
$ git log
commit f23794a8f9a585547f2147277387baec5477dc02 (HEAD -> master)
Author: Ahmed <eminemslimmarshall68@gmail.com>
Date:   Sun Sep 1 00:43:37 2024 +0300

    message
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (master)
```

```
$ git checkout f23794a8f9a585547f2147277387baec5477dc02
```

```
Note: switching to 'f23794a8f9a585547f2147277387baec5477dc02'.
```

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 f23794a message
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject ((f23794a...))
$ git branch
* (HEAD detached at f23794a)
  master
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject ((f23794a...))
$ git branch nwbranch
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject ((f23794a...))
```



```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject ((f23794a...))
$ git checkout nwbranch
Switched to branch 'nwbranch'

snad@DESKTOP-P417EU6 MINGW64 ~/myproject (nwbranch)
$ git switch master
Switched to branch 'master'

snad@DESKTOP-P417EU6 MINGW64 ~/myproject (master)
$
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (master)
$ git switch -c oldbranch
Switched to a new branch 'oldbranch'

snad@DESKTOP-P417EU6 MINGW64 ~/myproject (oldbranch)
$ git checkout -b ahmedbranch
Switched to a new branch 'ahmedbranch'

snad@DESKTOP-P417EU6 MINGW64 ~/myproject (ahmedbranch)
$
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (ahmedbranch)
$ git merge oldbranch nwbranch
Already up to date.
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (ahmedbranch)
$ git ls-files
index.html
```

```
DESKTOP-P417EU6 MINGW64 /home/snad/Desktop/myproject
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (ahmedbranch)  
$ git clean -dn
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (ahmedbranch)  
$ git clean -df
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (ahmedbranch)
$ git switch master
Switched to branch 'master'
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (master)
$ git restore index.html
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (master)
$ git restore .
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (master)
$
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (master)
$ git rm index.html
rm 'index.html'
```

```
snad@DESKTOP-P417EU6 MINGW64 ~/myproject (master)
$ git reset index.html
```