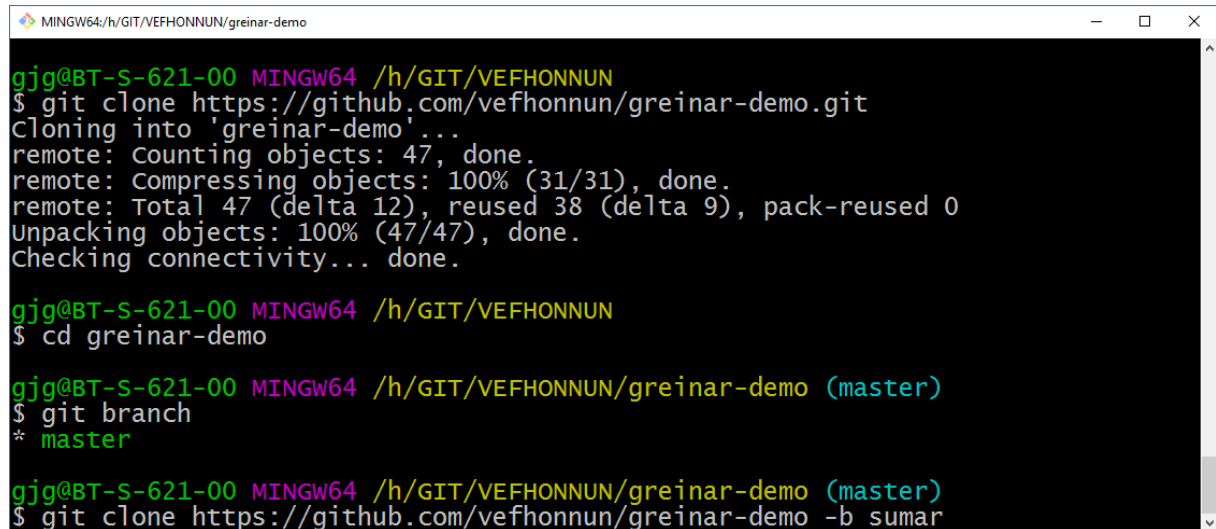


## GitHub hópverkefni

### Greinar – Branches

Til að sækja greinar af GitHub geymslu t.d. greinina „Sumar“

```
$ git clone https://github.com/vefhonnun/greinar-demo -b sumar
```



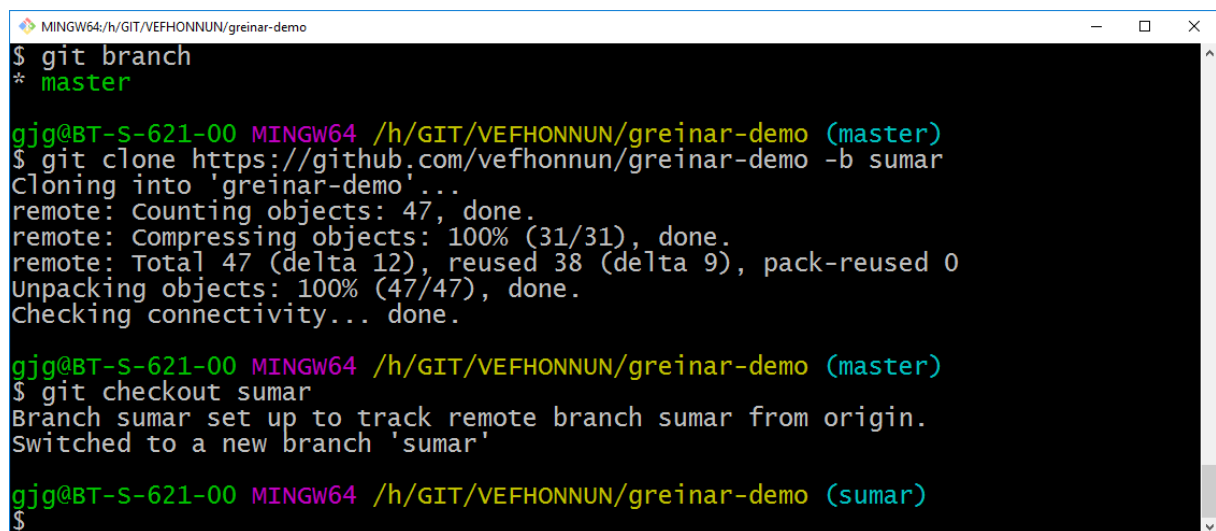
```
MINGW64:/h/GIT/VEFHONNUN/greinar-demo
gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN
$ git clone https://github.com/vefhonnun/greinar-demo.git
Cloning into 'greinar-demo'...
remote: Counting objects: 47, done.
remote: Compressing objects: 100% (31/31), done.
remote: Total 47 (delta 12), reused 38 (delta 9), pack-reused 0
Unpacking objects: 100% (47/47), done.
Checking connectivity... done.

gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN
$ cd greinar-demo

gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (master)
$ git branch
* master

gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (master)
$ git clone https://github.com/vefhonnun/greinar-demo -b sumar
```

Til að virkja greinina



```
MINGW64:/h/GIT/VEFHONNUN/greinar-demo
$ git branch
* master

gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (master)
$ git clone https://github.com/vefhonnun/greinar-demo -b sumar
Cloning into 'greinar-demo'...
remote: Counting objects: 47, done.
remote: Compressing objects: 100% (31/31), done.
remote: Total 47 (delta 12), reused 38 (delta 9), pack-reused 0
Unpacking objects: 100% (47/47), done.
Checking connectivity... done.

gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (master)
$ git checkout sumar
Branch sumar set up to track remote branch sumar from origin.
Switched to a new branch 'sumar'

gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (sumar)
$
```

```
$ git checkout sumar
```

Síðan er hægt að vinna í þeirri grein án þess að breyta neinu í master útgáfunni

## Ný grein sett á GitHub

Fyrst er ný grein stofnuð á vinnusvæði (local)

```
MINGW64:/h/GIT/VEFHONNUN/greinar-demo
gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (master)
$ git branch ny_grein

gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (master)
$ git branch
* master
  ny_grein
  sumar

gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (master)
$ git checkout ny_grein
Switched to branch 'ny_grein'

gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (ny_grein)
$
```

```
MINGW64:/h/GIT/VEFHONNUN/greinar-demo
gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (ny_grein)
$ git status
On branch ny_grein
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:    greinar-demo
        modified:   stilar.css

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

gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (ny_grein)
$ git add .

gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (ny_grein)
$ git commit -m 'unnið í nýrri grein'
```

Eftir að hafa unnið í verkefni undir *ny\_grein* þá þarf að senda greinina á GitHub

```
$ git push --set-upstream origin ny_grein
```

```
MINGW64:/h/GIT/VEFHONNUN/greinar-demo
[ny_grein e4928da] unnið í nýrri grein
 2 files changed, 12 insertions(+), 4 deletions(-)
 delete mode 160000 greinar-demo

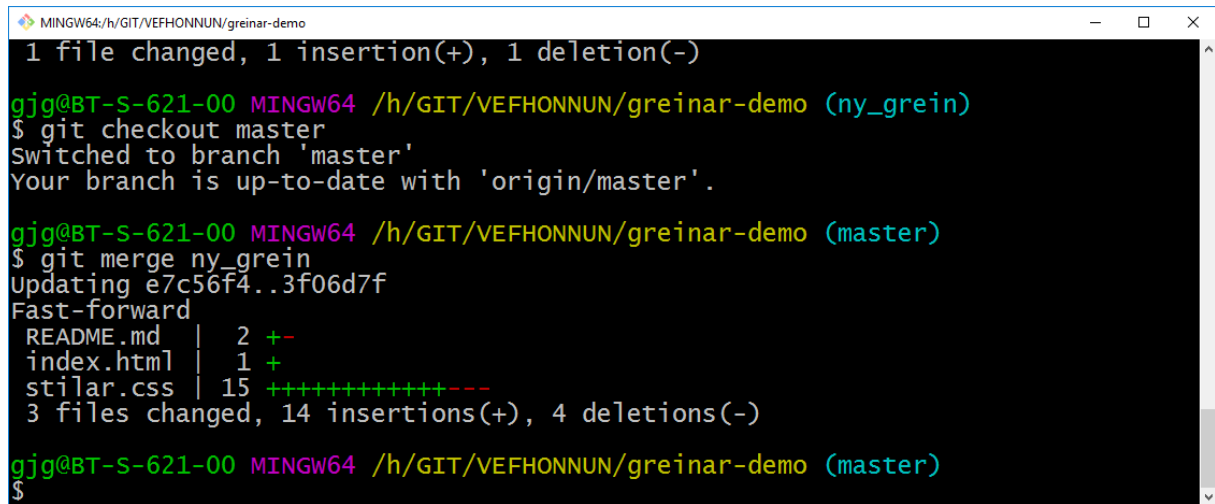
gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (ny_grein)
$ git push --set-upstream origin ny_grein
Counting objects: 6, done.
Delta compression using up to 2 threads.
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 861 bytes | 0 bytes/s, done.
Total 6 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/vefhonnun/greinar-demo.git
 * [new branch]      ny_grein -> ny_grein
Branch ny_grein set up to track remote branch ny_grein from origin.

gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (ny_grein)
$
```

### Til að sameina greinar (merge)

Fyrst fara aftur á master eða þá grein sem á að standa eftir og skrá

```
$ git merge ny_grein
```

A screenshot of a terminal window titled 'MINGW64:/h/GIT/VEFHONNUN/greinar-demo'. The terminal shows the following sequence of commands and output:  
1. A summary line: '1 file changed, 1 insertion(+), 1 deletion(-)'.  
2. Command: 'gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (ny\_grein) \$ git checkout master'.  
3. Output: 'Switched to branch 'master'' and 'Your branch is up-to-date with 'origin/master''.  
4. Command: 'gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (master) \$ git merge ny\_grein'.  
5. Output: 'Updating e7c56f4..3f06d7f' and 'Fast-forward'.  
6. A diff summary table:

README.md		2	+-
index.html		1	+
stilar.css		15	+++++++---

  
7. Final summary: '3 files changed, 14 insertions(+), 4 deletions(-)'.  
8. The prompt returns to 'gjjg@BT-S-621-00 MINGW64 /h/GIT/VEFHONNUN/greinar-demo (master) \$'.