



# Branching Exercise

1. Make a new folder called `Patronus`
2. Make a new git repo inside the folder (make sure you're not in an existing repo)
3. Create a new file called `patronus.txt` (leave it empty for now)
4. Add and commit the empty file, with the message "[add empty patronus file](#)"
5. Immediately make a new branch called `harry` and another branch called `snape` (both based on the master branch)
6. Move to the `harry` branch using the "new" command to change branches.
7. In the `patronus.txt` file, add the following:

```
HARRY'S PATRONUS
```

```
/|      |\  
`_\\    //_\'  
  ||    ||  
  \\`\\  |`/_/  
  `_\\  //_\'  
  . ,----; ,--.  
  \_ :     :/_/  
   | @. .@|  
   |       |  
 ,\.-./ \
```

```
;/`-'`---____-----.
;;;
';;;;
; | ;
\ \ / ;/
\_,\ / \_/
';|.....\ \_\_
| | |
\ \ | / \ |
| | |
| | |
| | |
| | |
/_\/_ /_/_
```

8. Add and commit the changes, with the commit message "add harry's stag patronus"
9. Move over to the `snape` branch using the "older" command to change branches.
10. Put the following text in the `patronus.txt` file:

SNAPE'S PATRONUS

```
.`-\'
\ .( 
| __T|
/ |
-----' |
// {} 
`| , , , {} 
\ / __; , '
) , -; `` \ //
| / ( ; || |
|| ``|| 
|| ``|| 
) \ ) \ ) ||
`` `` `` `` `` ``
```

11. Add and commit the changes on the `snape` branch with the commit message "add snape's doe patronus"
12. Next, create a new branch based upon the `snape` branch called `lily`
13. Move to the `lily` branch
14. Edit the `patronus.txt` file so that it says `LILY'S PATRONUS` at the top instead of `SNAPE'S PATRONUS` (leave the doe ascii-art alone)

15. Add and commit the change with the message "add lily's doe patronus"
16. Run a git command to list all branches (you should see 4)
17. **Bonus:** delete the `snape` branch (poor Snape)