



## 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.

- Put the following text in the `patronus.txt` file:

```
SNAPE'S PATRONUS . _ , |` \_ / / \ . .( | _T| / | _.-=====| | // {  
`| , , {} \ /__; , ' ) , -; ` \ // | / ( ;|| ||` \ \ ||| || \ \ ||| ) \ \  
)|| `` `` `` `` ``
```

- Add and commit the changes on the `snape` branch with the commit message "add Snape's doe patronus"
- Next, create a new branch based upon the `snape` branch called `lily`
- Move to the `lily` branch
- 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)
- Add and commit the change with the message "add lily's doe patronus"
- Run a git command to list all branches (you should see 4)
- Bonus:** delete the `snape` branch (poor Snape)

