



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 `snaope` branch using the `git checkout` 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 `snaope` branch with the commit message "add snaope's doe patronus"
12. Next, create a new branch based upon the `snaope` 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 `snaope` branch (poor Snape)