

**GIT - Exercises 181209****Exercises on gitkatas, should be finished before 190210**

- configure-git > DONE
- basic-commits > DONE
- basic-staging > DONE
- basic-branching > DONE
- basic-cleaning > DONE
- ignore > DONE
- commit-on-wrong-branch
- commit-on-wrong-branch-2

**BASIC-IGNORE**

---

**Setup:**

Run `. setup.sh` (or `. \setup.ps1` in PowerShell)

**Answer**

```
$ . setup.sh
Initialized empty Git repository in ../gitkatas/ignore/exercise/.git/
Reinitialized existing Git repository in ../gitkatas/ignore/exercise/.git/
Switched to a new branch 'master'
```

**The Task:****1. Create a file with the name foo.s****Answer**

```
$ touch foo.s
```

**2. What is the output of git status?****Answer**

```
$ git status
On branch master
```

No commits yet

Untracked files:

(use "git add ..." to include in what will be committed)

```
file1.txt // red
foo.s // red
```

nothing added to commit but untracked files present (use "git add" to track)

**3. Create a .gitignore file in your working directory containing \*.s****Answer**

```
$ touch .gitignore
$ echo "*.s" > .gitignore
```

**4. What is the output of git status?****Answer**

```
$ git status
On branch master
```

No commits yet

Untracked files:

(use "git add ..." to include in what will be committed)

```
.gitignore // red
file1.txt // red
```

nothing added to commit but untracked files present (use "git add" to track)

## 5. Commit the .gitignore file

### Answer

```
$ git add .gitignore
warning: LF will be replaced by CRLF in .gitignore.
The file will have its original line endings in your working directory

$ git commit .gitignore
warning: LF will be replaced by CRLF in .gitignore.
The file will have its original line endings in your working directory
hint: Waiting for your editor to close the file... unix2dos: converting
file ../gitkatas/ignore/exercise/.git/COMMIT_EDITMSG to DOS format...
dos2unix: converting file ../gitkatas/ignore/exercise/.git/COMMIT_EDITMSG
to Unix format...
[master (root-commit) 245a074] Commit file .gitignore
1 file changed, 1 insertion(+)
create mode 100644 .gitignore
```

## 6. Commit file1.txt

### Answer

```
$ git add file1.txt
warning: LF will be replaced by CRLF in file1.txt.
The file will have its original line endings in your working directory

$ git commit file1.txt
warning: LF will be replaced by CRLF in file1.txt.
The file will have its original line endings in your working directory
hint: Waiting for your editor to close the file... unix2dos: converting
file ../gitkatas/ignore/exercise/.git/COMMIT_EDITMSG to DOS format...
dos2unix: converting file ../gitkatas/ignore/exercise/.git/COMMIT_EDITMSG
to Unix format...
[master 2317685] Commit file1.txt
1 file changed, 1 insertion(+)
create mode 100644 file1.txt
```

## 7. Add txt files to .gitignore by adding a line in the file containing \*.txt

### Answer

```
$ echo "*.txt" >> .gitignore
```

## 8. What does git status tell us?

### Answer

```
$ git status
On branch master
Changes not staged for commit:
  (use "git add ..." to update what will be committed)
  (use "git checkout -- ..." to discard changes in working directory)

modified:   .gitignore // red

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

## 9. Change file1.txt

### Answer

```
$ echo -e"\nsome change" >> file1.txt
```

## 10. What does git status tell us? Why was the file tracked even though the txt extension is in the ignore file?

### Answer

```
$ git status
On branch master
Changes not staged for commit:
  (use "git add ..." to update what will be committed)
```

(use "git checkout -- ..." to discard changes in working directory)

```
modified: .gitignore // red
modified: file1.txt // red
```

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

**11. Make another text file in the repository, what does git status look like now? Why is it not tracked?**

**Answer**

```
$ touch anotherTextFile.txt
```

```
$ git status
On branch master
Changes not staged for commit:
  (use "git add ..." to update what will be committed)
  (use "git checkout -- ..." to discard changes in working directory)
```

```
modified: .gitignore
modified: file1.txt
```

no changes added to commit (use "git add" and/or "git commit -a")  
 // the new file anotherTextFile.txt is not tracked because .gitignore is ignoring .txt files

**12. Stage the removal of file1.txt with the command git rm --cached**

**Answer**

```
$ git rm --cached
```

```
usage: git rm [] [--] ...
```

```
-n, --dry-run dry run
-q, --quiet do not list removed files
--cached only remove from the index
-f, --force override the up-to-date check
-r allow recursive removal
--ignore-unmatch exit with a zero status even if nothing matched
```

**13. What does git status say?**

**Answer**

```
$ git status
On branch master
Changes not staged for commit:
  (use "git add ..." to update what will be committed)
  (use "git checkout -- ..." to discard changes in working directory)
```

```
modified: .gitignore // red
modified: file1.txt // red
```

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