

Week_8_3_Git-Hol

Creating new branch

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
● $ git branch GitNewBranch

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
○ $
```

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
● $ git branch -a
    GitNewBranch
* main
  remotes/origin/main

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
○ $
```

Moving to new branch

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
● $ git checkout GitNewBranch
Switched to branch 'GitNewBranch'

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (GitNewBranch)
○ $
```

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (GitNewBranch)
● $ echo "This is a new branch file" > branchfile.txt

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (GitNewBranch)
○ $
```

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (GitNewBranch)
● $ git add branchfile.txt
warning: in the working copy of 'branchfile.txt', LF will be replaced b
y CRLF the next time Git touches it

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (GitNewBranch)
● $ git commit -m "Added branchfile.txt in GitNewBranch"
[GitNewBranch 0aa9a3b] Added branchfile.txt in GitNewBranch
1 file changed, 1 insertion(+)
create mode 100644 branchfile.txt
```

Switching back to main branch

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (GitNewBranch)
● $ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
```

Listing Difference in branches

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
● $ git diff GitNewBranch
diff --git a/branchfile.txt b/branchfile.txt
deleted file mode 100644
index 24e7e87..0000000
--- a/branchfile.txt
+++ /dev/null
@@ -1 +0,0 @@
-This is a new branch file

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
○ $
```

Merging both branches

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
● $ git merge GitNewBranch
Updating 82c25c5..0aa9a3b
Fast-forward
 branchfile.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 branchfile.txt
```

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
```

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
● $ git log --oneline --graph --decorate
* 0aa9a3b (HEAD -> main, GitNewBranch) Added branchfile.txt in GitNewBranch
* 82c25c5 Added .gitignore to ignore .log files and log folder
* cd107a7 (origin/main) first commit
```

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
```

Deleting new branch

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
● $ git branch -d GitNewBranch
Deleted branch GitNewBranch (was 0aa9a3b).
```

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
○ $
```

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
● $ git status
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
```

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/jav anew (main)
```