Week_8_5_Git-Hol

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/
javanew (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 6 commi
ts.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/
javanew (main)
$
```

Creating new branch

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/
javanew (main)
$ git checkout -b GitSample
Switched to a new branch 'GitSample'

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/
javanew (GitSample)
$
```

## Adding files to new branch

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (GitSample)
$ echo "This is GitSample branch file" > sample.txt

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (GitSample)
$ git add sample.txt
warning: in the working copy of 'sample.txt', LF will be replaced by CRLF the next time Git touches it

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (GitSample)
$ git commit -m"add sample.txt in gitsample"
[GitSample b678d7e] add sample.txt in gitsample
 1 file changed, 1 insertion(+)
 create mode 100644 sample.txt

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (GitSample)
$
```

## Checkout to main

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (GitSample)
$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 6 commits.
  (use "git push" to publish your local commits)

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (main)
$
```

## Merging

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (main)
$ git merge GitSample
Updating e3a7bf7..b678d7e
Fast-forward
 sample.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 sample.txt

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (main)
$
```

## Deleting new branch

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (main)
$ git branch -d GitSample
Deleted branch GitSample (was b678d7e).

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (main)
$
```

Checking logs

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (main)
$ git log --oneline --graph --decorate
* b678d7e (HEAD -> main) add sample.txt in gitsample
* e3a7bf7 Add .orig files to .gitignore
*   5bf60ba Resolve merge conflict in hello.xml
|\
| * e129ea4 Add hello.xml in GitWork
* | 235a842 Add hello.xml in main
|/
* 0aa9a3b 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/javanew (main)
$
```