

## Week\_8\_4\_Git-Hol

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

### Creating new branch and adding file

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

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javaneu (GitWork)
● $ echo "<message>Hello from branch</message>" > hello.xml

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javaneu (GitWork)
● $ git add hello.xml
warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the next time Git touches it

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javaneu (GitWork)
● $ git commit -m "Add hello.xml in GitWork"
[GitWork e129ea4] Add hello.xml in GitWork
 1 file changed, 1 insertion(+)
 create mode 100644 hello.xml

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javaneu (GitWork)
○ $
```

### Checkout to main and adding hello.xml

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javaneu (GitWork)
$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javaneu (main)
$ echo "<message>Hello from master</message>" > hello.xml

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

veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javaneu (main)
$ git commit -m "Add hello.xml in main"
[main 235a842] Add hello.xml in main
 1 file changed, 1 insertion(+)
 create mode 100644 hello.xml

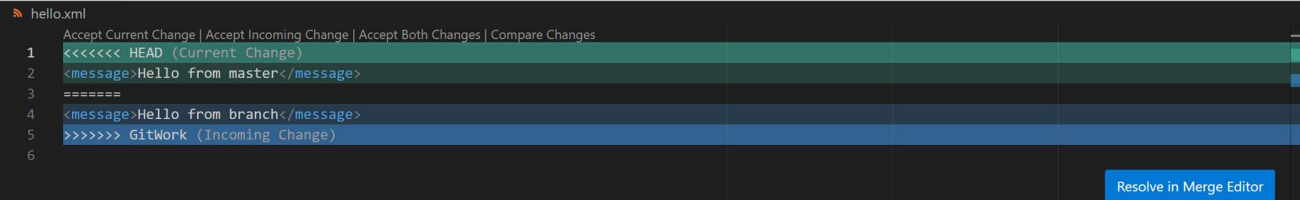
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javaneu (main)
$
```

## Merging

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (main)
$ git merge GitWork
Auto-merging hello.xml
CONFLICT (add/add): Merge conflict in hello.xml
Automatic merge failed; fix conflicts and then commit the result.

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

## Resolving Conflicts



```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (main|MERGING)
$ git add hello.xml
```

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (main|MERGING)
$ git commit -m "Resolve merge conflict in hello.xml"
[main 5bf60ba] Resolve merge conflict in hello.xml
```

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

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (main)
$ echo "*.orig" >> .gitignore
```

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

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (main)
$ git commit -m "Add .orig files to .gitignore"
[main e3a7bf7] Add .orig files to .gitignore
1 file changed, 1 insertion(+)
```

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

```
veert@HPPavilionPlus MINGW64 ~/OneDrive/Desktop/javanew (main)
$ git branch -d GitWork
Deleted branch GitWork (was e129ea4).
```

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