

# Git : Part 2

## Branches & Merges

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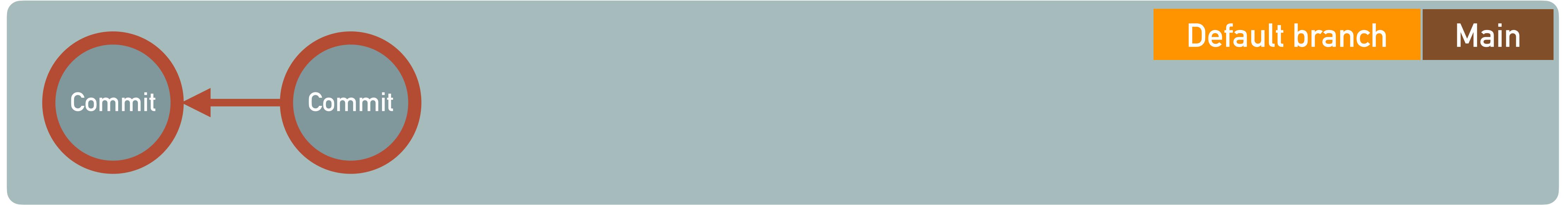
# BRANCHES

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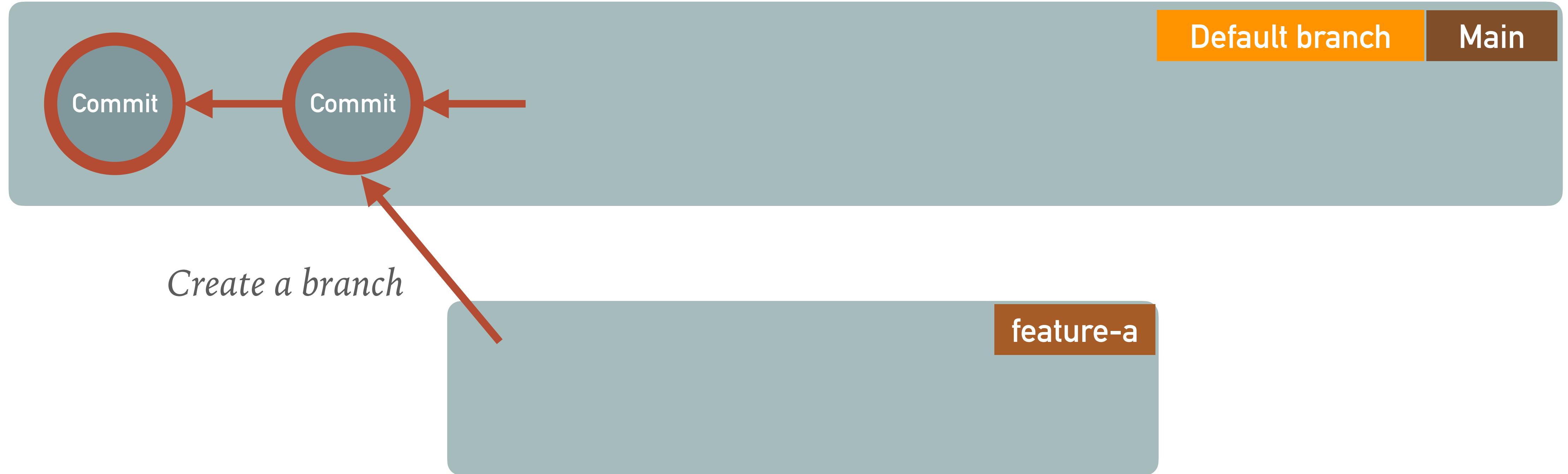
# Branches

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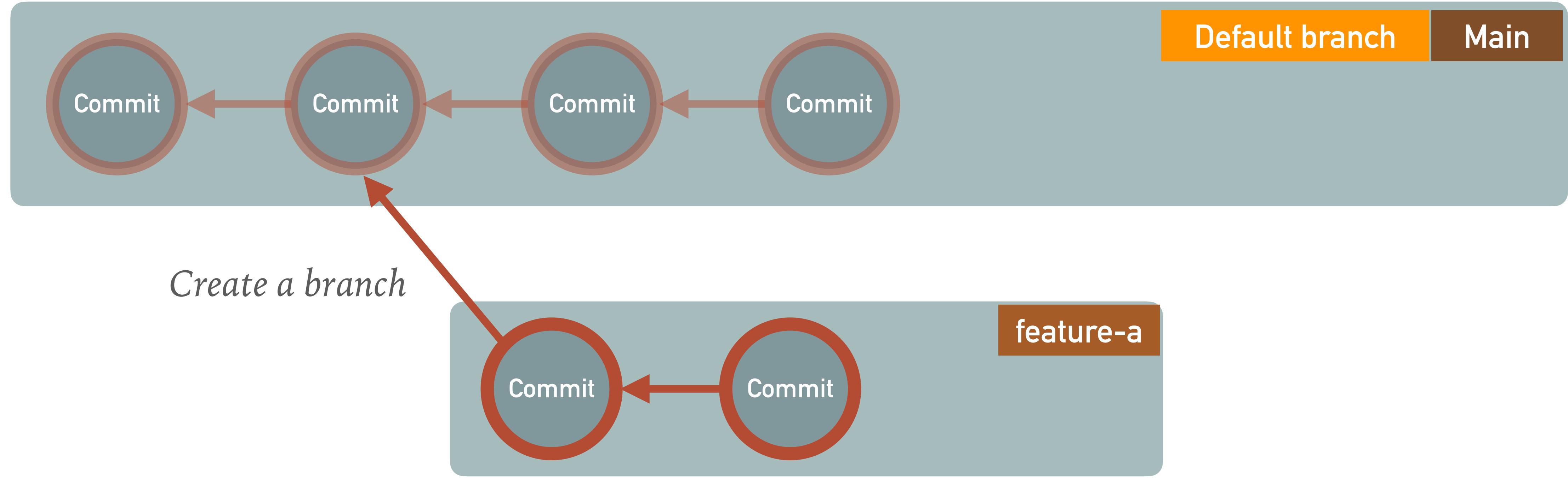


\*in old git versions the default branch is called "master"

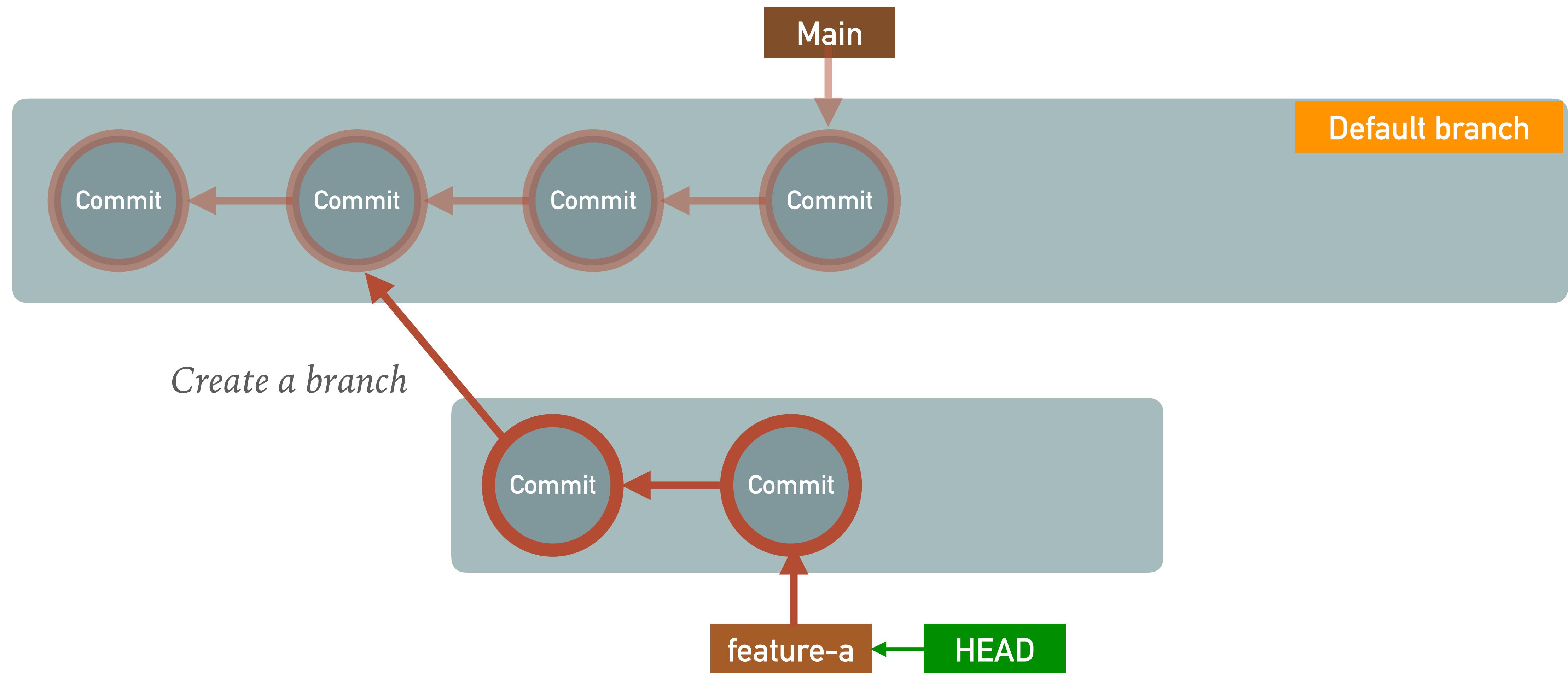
# Branches



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*Git restores the working directory according to the position of the HEAD pointer*

# Git branches

Get the current branch

```
$ git branch  
$ git branch -a #for all
```

Ps. Always commit before changing branch (otherwise use git stash et git stash apply)

Create new branch and switch

```
$ git branch <branch-name>  
$ git switch <branch-name> #or git checkout  
$ git switch - #go back to the last branch  
$ git switch -C <branch-name> #create and jump into new branch / or git checkout -b
```

Delete a branch

```
$ git branch -d <branch-name> # to delete
```

# Log & diff

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## Log commits of all branches

```
$ git log --oneline --all  
$ git log --oneline --all --graph #you can save it as alias  
$ git log <branch-A>..<branch-B> #commit difference between 2 branches
```

## See differences between two branches

```
$ git diff <branch-A>..<branch-B> #incide file difference  
$ git diff --name-status <branch-A>..<branch-B> #file difference
```