

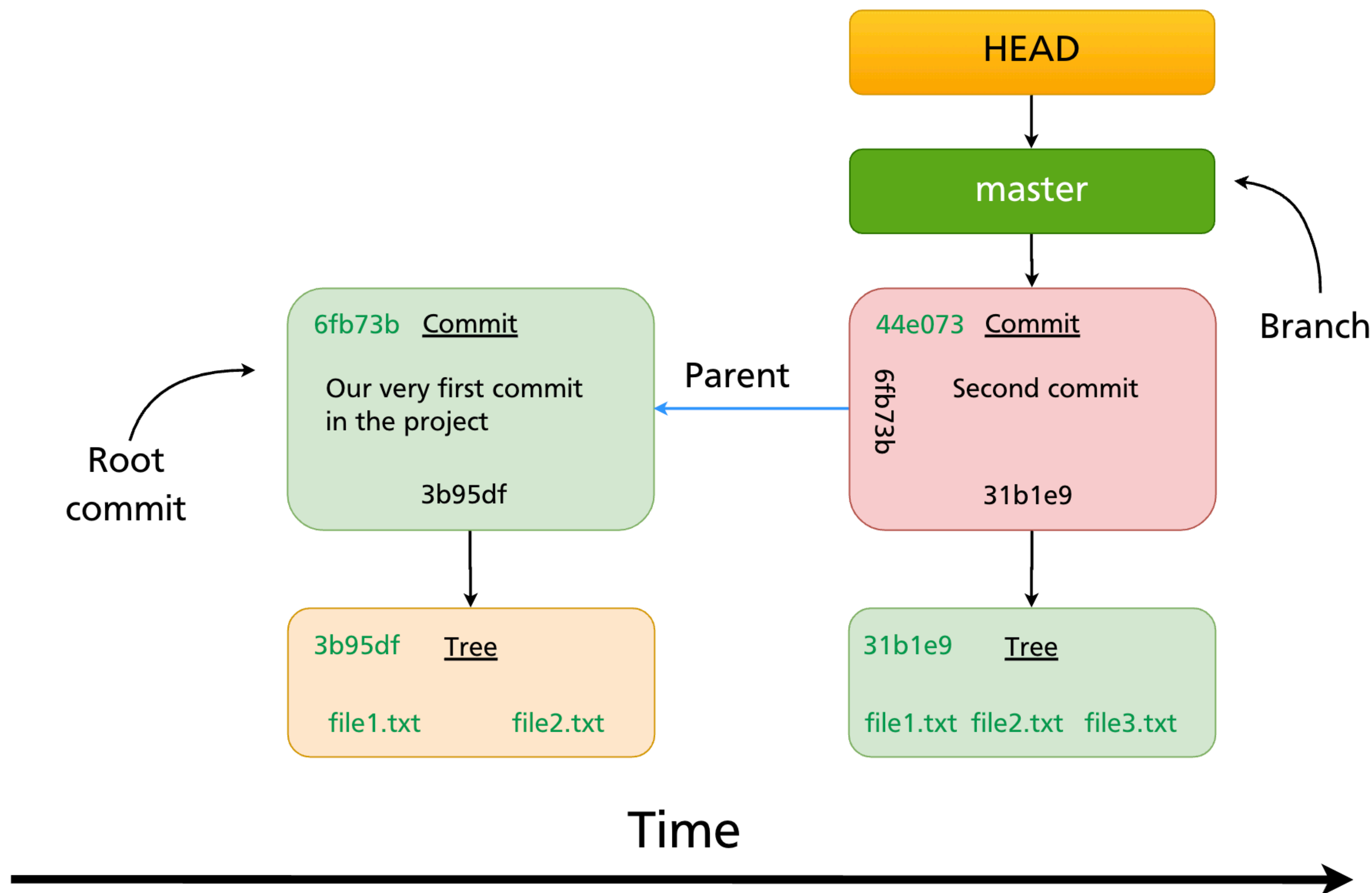
## Branch is just text reference to the commit

1. Default branch is **master**
2. Multiple branches can exist in the same repository
3. Pointers for all branches are located in **.git/refs/heads** folder
4. Current branch tracks new commits
5. Branch pointer moves automatically after every new commit
6. Change branch **git checkout <branch>**

master

new-branch

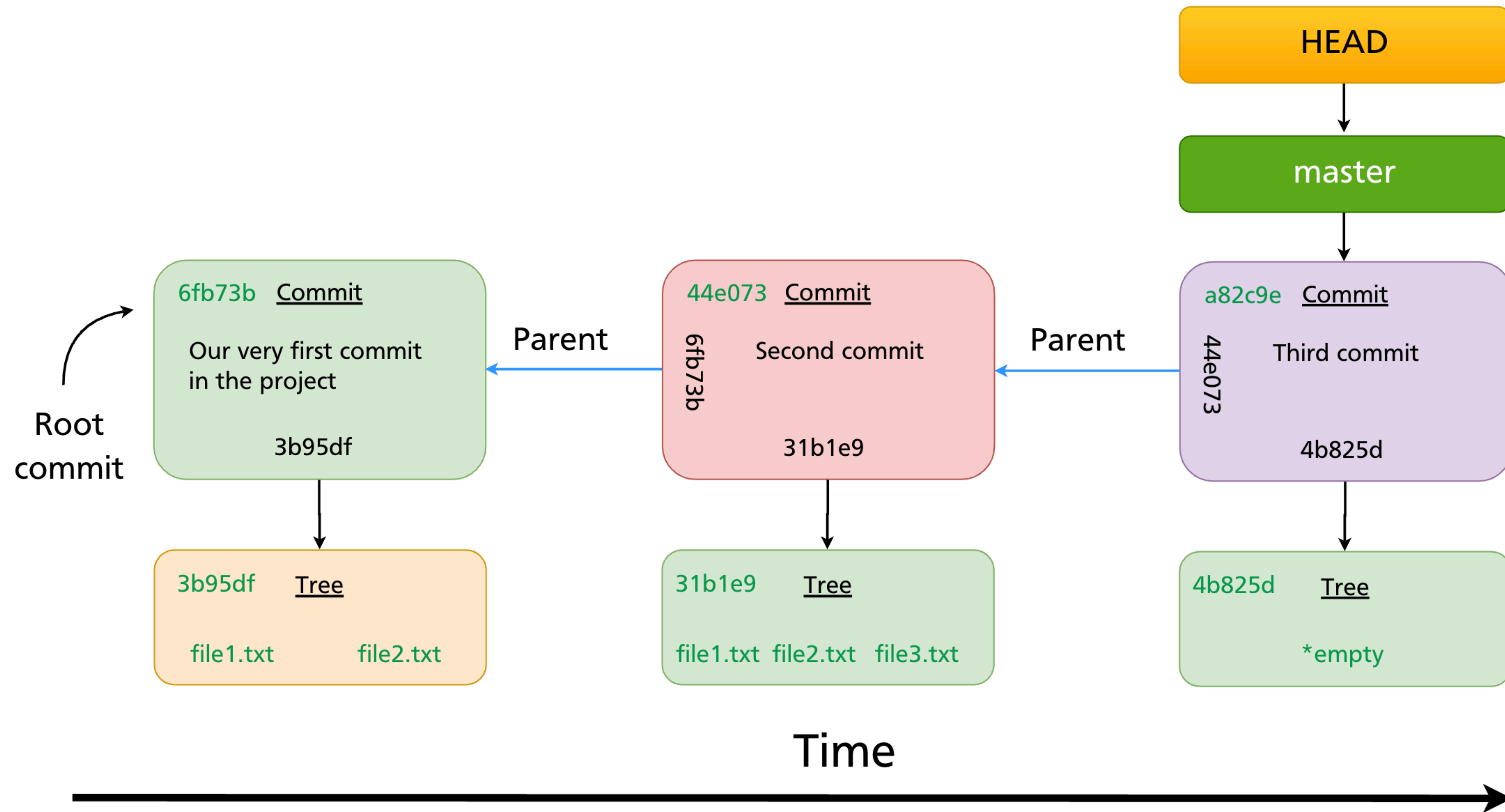
DEV-1512



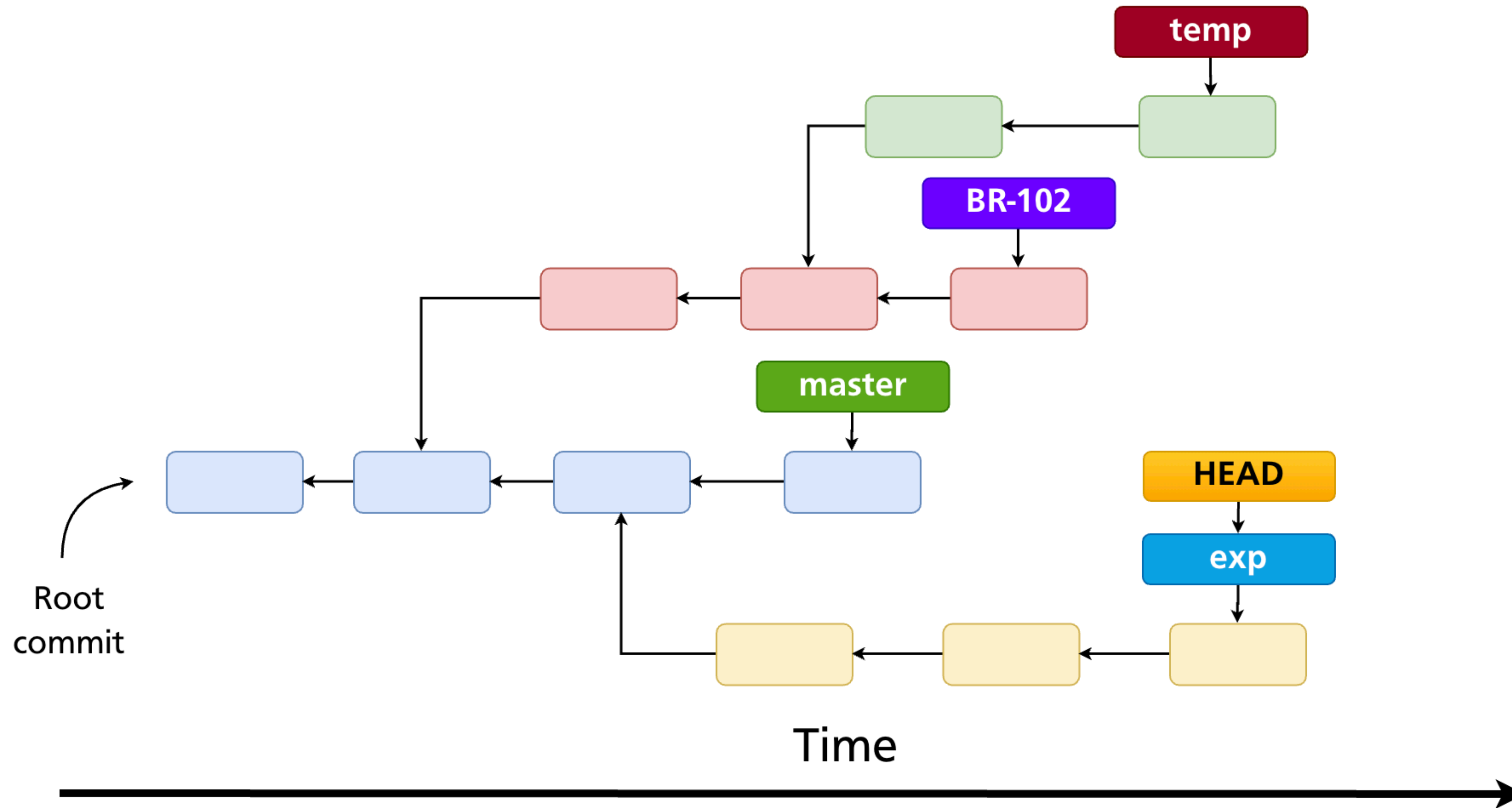
HEAD is reference to the currently checked-out branch or commit

HEAD

1. HEAD is locally significant
2. Pointer is located in the **.git/HEAD** file
3. Default pointer is **ref: refs/heads/master**
4. Change reference to specific branch **git checkout <branch>**
5. Change reference to specific commit **git checkout <sha1>**







## Git branches management

`git branch`

List all local branches

`git branch <name>`

Create new branch

`git checkout <name>`

Checkout specific branch

`git branch -d <name>`

Delete specific branch

`git branch -m <old> <new>`

Rename specific branch



# Shortcut for creating a branch with checkout

```
git checkout -b <branch name>
```

