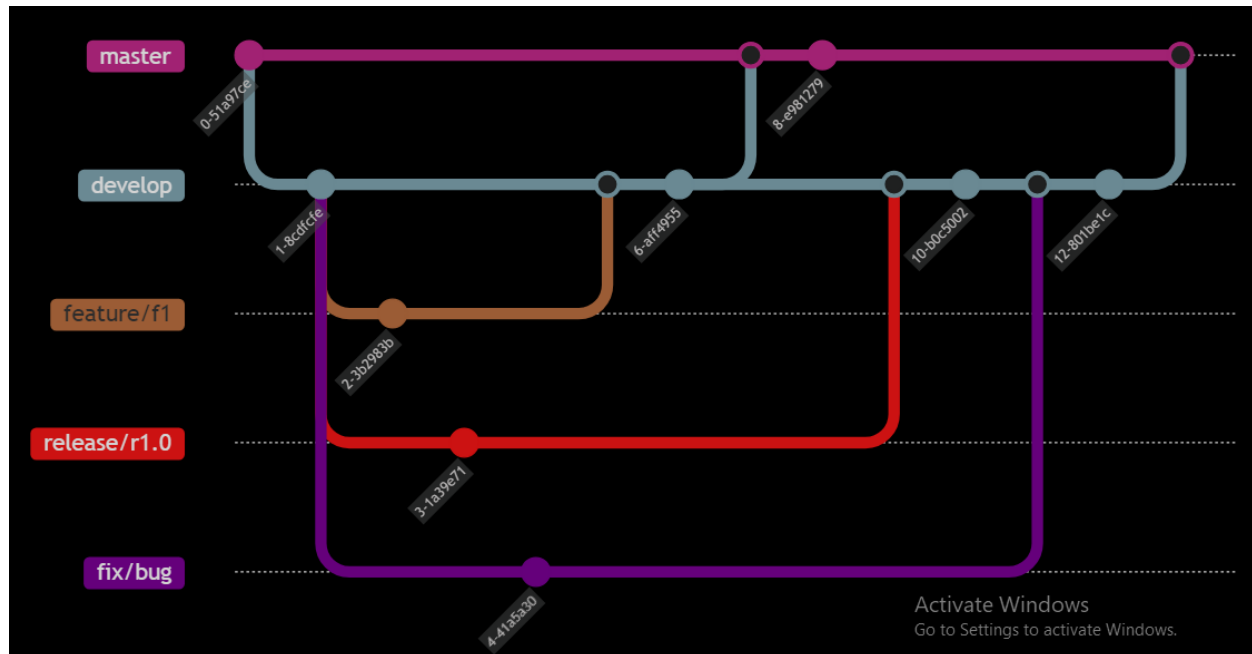# Git Flow


```
adham@master:/adhamgit$ mkdir repo2
adham@master:/adhamgit$ cd repo2
adham@master:/adhamgit/repo2$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /adhamgit/repo2/.git/
adham@master:/adhamgit/repo2$
```

```
adham@master:/adhamgit/repo2$ echo "my code" > read.md
adham@master:/adhamgit/repo2$ ls
read.md
adham@master:/adhamgit/repo2$ git add .
adham@master:/adhamgit/repo2$ git commit -m "initial commit"
[master (root-commit) 3e63fe0] initial commit
 Committer: adham <adham@master.localdomain>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

 1 file changed, 1 insertion(+)
 create mode 100644 read.md
```

```
adham@master:/adhamgit/repo2$ git branch develop
adham@master:/adhamgit/repo2$ git branch
  develop
* master
adham@master:/adhamgit/repo2$ git switch develop
Switched to branch 'develop'
adham@master:/adhamgit/repo2$ git branch
* develop
  master
adham@master:/adhamgit/repo2$ git branch feature/f1
adham@master:/adhamgit/repo2$ git branch
* develop
  feature/f1
  master
adham@master:/adhamgit/repo2$ git branch realse/r1.0
adham@master:/adhamgit/repo2$ git branch
* develop
  feature/f1
  master
  realse/r1.0
adham@master:/adhamgit/repo2$ git branch fix/bug
adham@master:/adhamgit/repo2$ git branch
* develop
  feature/f1
  fix/bug
  master
  realse/r1.0
```

```
adham@master:/adhamgit/repo2$ git switch feature/f1
Switched to branch 'feature/f1'
adham@master:/adhamgit/repo2$ git branch
  develop
* feature/f1
  fix/bug
  master
  realse/r1.0
adham@master:/adhamgit/repo2$ echo "new feature" > feature.txt
adham@master:/adhamgit/repo2$ ls
feature.txt  read.md
adham@master:/adhamgit/repo2$ git add feature.txt
adham@master:/adhamgit/repo2$ git commit -m "add feature"
[feature/f1 91dbbed] add feature
 Committer: adham <adham@master.localdomain>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

 1 file changed, 1 insertion(+)
 create mode 100644 feature.txt
adham@master:/adhamgit/repo2$ git switch develop
Switched to branch 'develop'
```

```
adham@master:/adhamgit/repo2$ git branch
* develop
  feature/f1
  fix/bug
  master
  realse/r1.0
adham@master:/adhamgit/repo2$ get merge feature/f1
Command 'get' not found, but there are 18 similar ones.
adham@master:/adhamgit/repo2$
adham@master:/adhamgit/repo2$ git merge feature/f1
Updating 3e63fe0..91dbbed
Fast-forward
 feature.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 feature.txt
adham@master:/adhamgit/repo2$
adham@master:/adhamgit/repo2$ echo "realse" > realse.txt
adham@master:/adhamgit/repo2$ ls
feature.txt  read.md  realse.txt
adham@master:/adhamgit/repo2$ git add realse.txt
adham@master:/adhamgit/repo2$ git commit -m "add realse"
[develop 498a3e2] add realse
 Committer: adham <adham@master.localdomain>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:
```

```
adham@master:/adhamgit/repo2$ git switch develop
Already on 'develop'
adham@master:/adhamgit/repo2$ git branch
* develop
  feature/f1
  fix/bug
  master
  realse/r1.0
adham@master:/adhamgit/repo2$ git merge realse/r1.0
Already up to date.
adham@master:/adhamgit/repo2$ git switch master
Switched to branch 'master'
adham@master:/adhamgit/repo2$ git branch
  develop
  feature/f1
  fix/bug
* master
  realse/r1.0
adham@master:/adhamgit/repo2$ git merge develop
Updating 3e63fe0..498a3e2
Fast-forward
 feature.txt | 1 +
 realse.txt  | 1 +
 2 files changed, 2 insertions(+)
 create mode 100644 feature.txt
 create mode 100644 realse.txt
adham@master:/adhamgit/repo2$
adham@master:/adhamgit/repo2$ git switch develop
Switched to branch 'develop'
```

```
adham@master:/adhamgit/repo2$ git branch
* develop
  feature/f1
  fix/bug
  master
  realse/r1.0
adham@master:/adhamgit/repo2$ git merge fix/bug
Already up to date.
adham@master:/adhamgit/repo2$ git switch master
Switched to branch 'master'
adham@master:/adhamgit/repo2$ git merge develop
Already up to date.
```