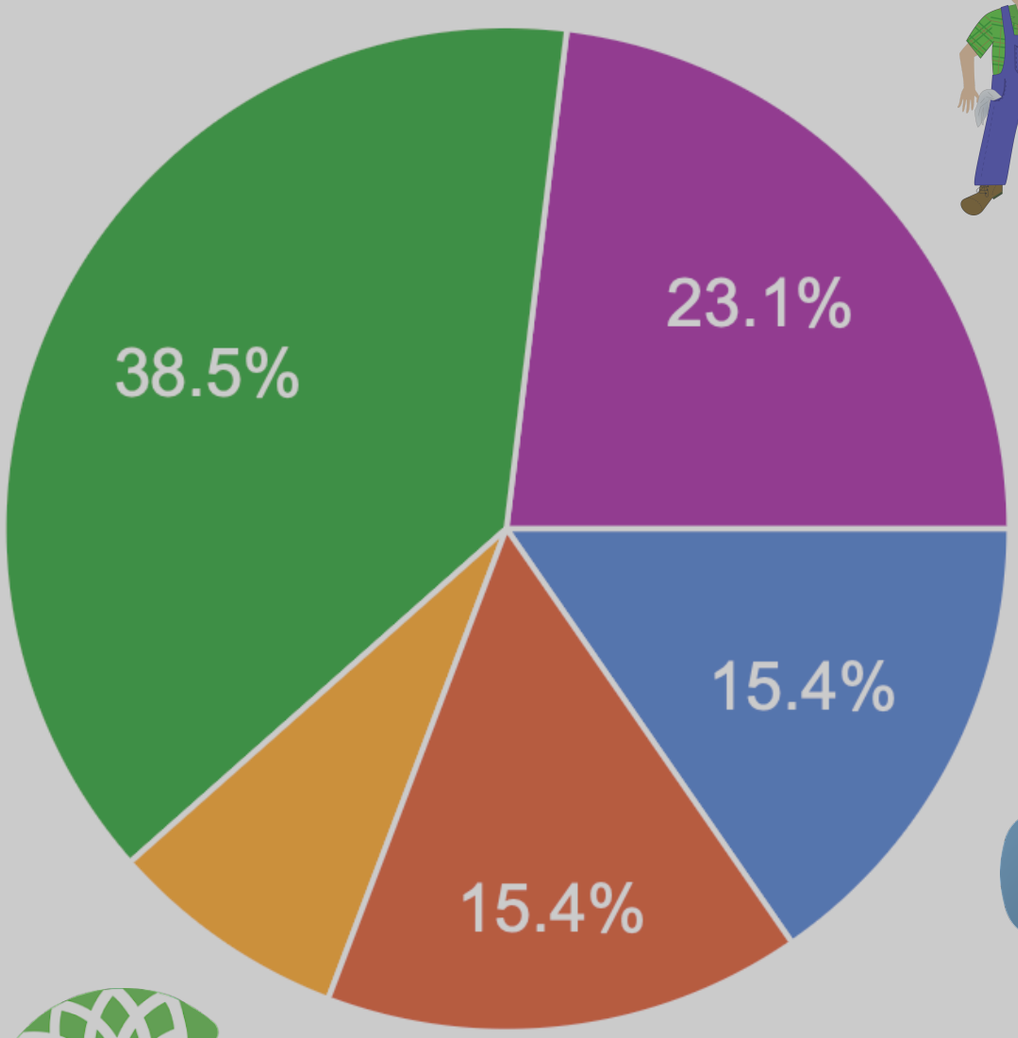
Poll



More Python exercises

Snakemake

Conda

Git/GitHub

Gardening

git

Initialize git

```
(base) au732936@d54216 test_git % git init
Initialized empty Git repository in /Users/au732936/Downloads/test_git/.git/
```

```
(base) au732936@d54216 test_git % ls -a
.                       ..                      .git
```

```
(base) au732936@d54216 test_git % touch file.txt
```

```
(base) au732936@d54216 test_git % git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        file.txt

nothing added to commit but untracked files present (use "git add" to track)
```

Add files to index

```
(base) au732936@d54216 test_git % git add file.txt
```

```
(base) au732936@d54216 test_git % git status
On branch main

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   file.txt
```

Commit to index

```
(base) au732936@d54216 test_git % git commit -m "Initial commit of file.txt"
[main (root-commit) 8d9ac0b] Initial commit of file.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 file.txt
```

```
(base) au732936@d54216 test_git % git status
On branch main
nothing to commit, working tree clean
```

```
(base) au732936@d54216 test_git % git log
commit 8d9ac0b7c11b38f07d59c5efacddbde81b89efb7 (HEAD -> main)
Author: Sendrowski <j.sendrowski18@gmail.com>
Date:   Wed Oct 25 10:38:30 2023 +0200

    Initial commit of file.txt
```

Clone repository

```
(base) au732936@d54216 Downloads % git clone https://github.com/Sendrowski/CodingClub.git
Cloning into 'CodingClub'...
remote: Enumerating objects: 38, done.
remote: Counting objects: 100% (38/38), done.
remote: Compressing objects: 100% (30/30), done.
remote: Total 38 (delta 4), reused 36 (delta 2), pack-reused 0
Receiving objects: 100% (38/38), 5.35 MiB | 7.15 MiB/s, done.
Resolving deltas: 100% (4/4), done.
```

```
(base) au732936@d54216 Downloads % cd CodingClub && git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

Add remote

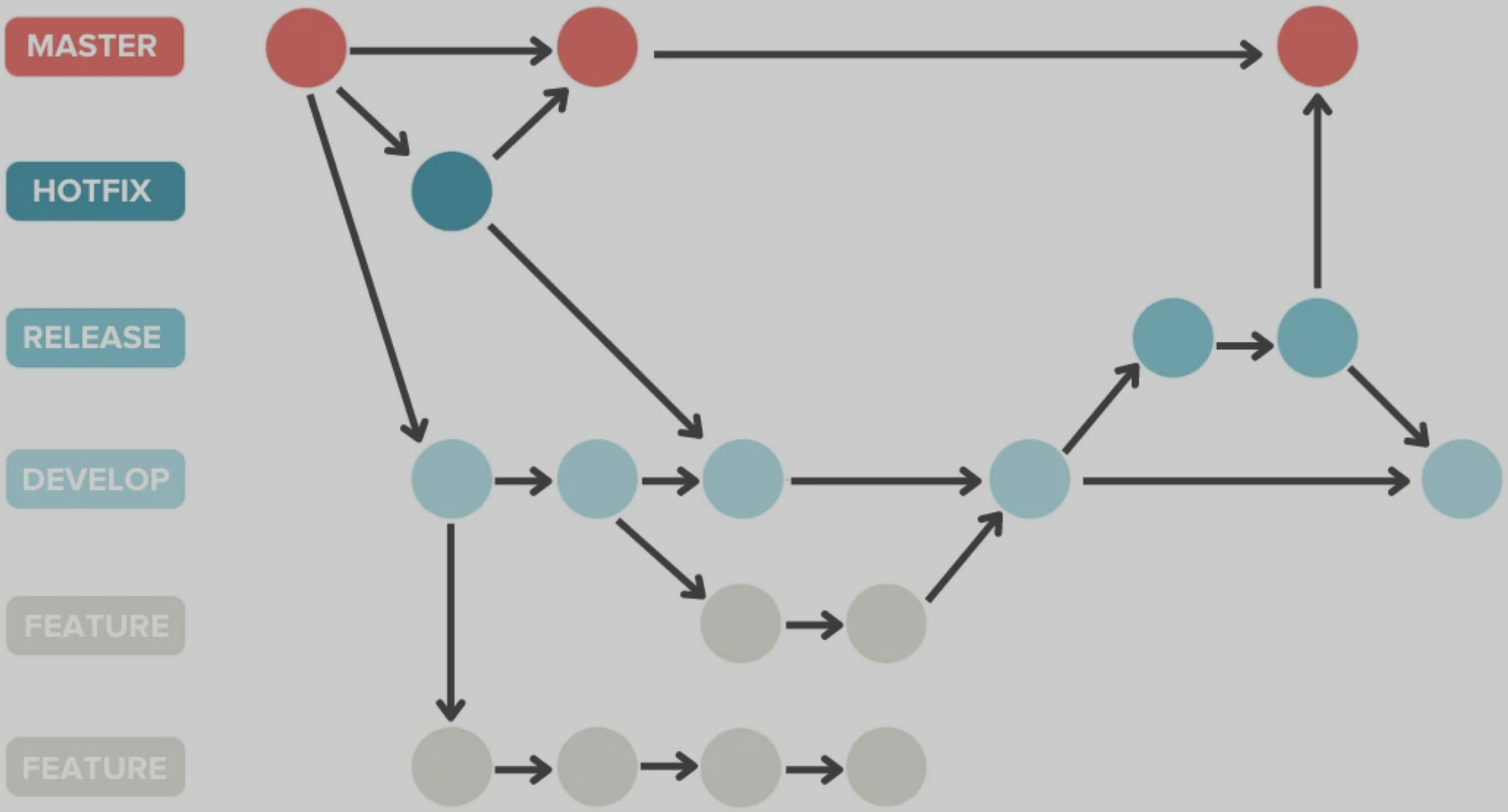
```
(base) au732936@d54216 CodingClub % git remote -v
origin  https://github.com/Sendrowski/CodingClub.git (fetch)
origin  https://github.com/Sendrowski/CodingClub.git (push)
```

```
(base) au732936@d54216 CodingClub % git remote add origin https://github.com/Sendrowski/CodingClub.git
error: remote origin already exists.
```

```
(base) au732936@d54216 CodingClub % git pull
Already up to date.
```

```
(base) au732936@d54216 CodingClub % git push
Everything up-to-date
```

Branching



Create branch

```
(base) au732936@d54216 test_git % git branch temp
(base) au732936@d54216 test_git % git status
On branch main
nothing to commit, working tree clean
```

```
(base) au732936@d54216 test_git % git checkout temp
Switched to branch 'temp'
(base) au732936@d54216 test_git % git status
On branch temp
nothing to commit, working tree clean
```

```
(base) au732936@d54216 test_git % touch file2.txt
```

```
(base) au732936@d54216 test_git % git add --all && git commit -m "Add another file."
[temp 652b9a4] Add another file.
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 file2.txt
(base) au732936@d54216 test_git % ls
file.txt        file2.txt
```

Merge branch

```
(base) au732936@d54216 test_git % git checkout main
Switched to branch 'main'
(base) au732936@d54216 test_git % ls
file.txt
```

```
(base) au732936@d54216 test_git % git merge temp
Updating 8d9ac0b..652b9a4
Fast-forward
 file2.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 file2.txt
(base) au732936@d54216 test_git % ls
file.txt        file2.txt
```

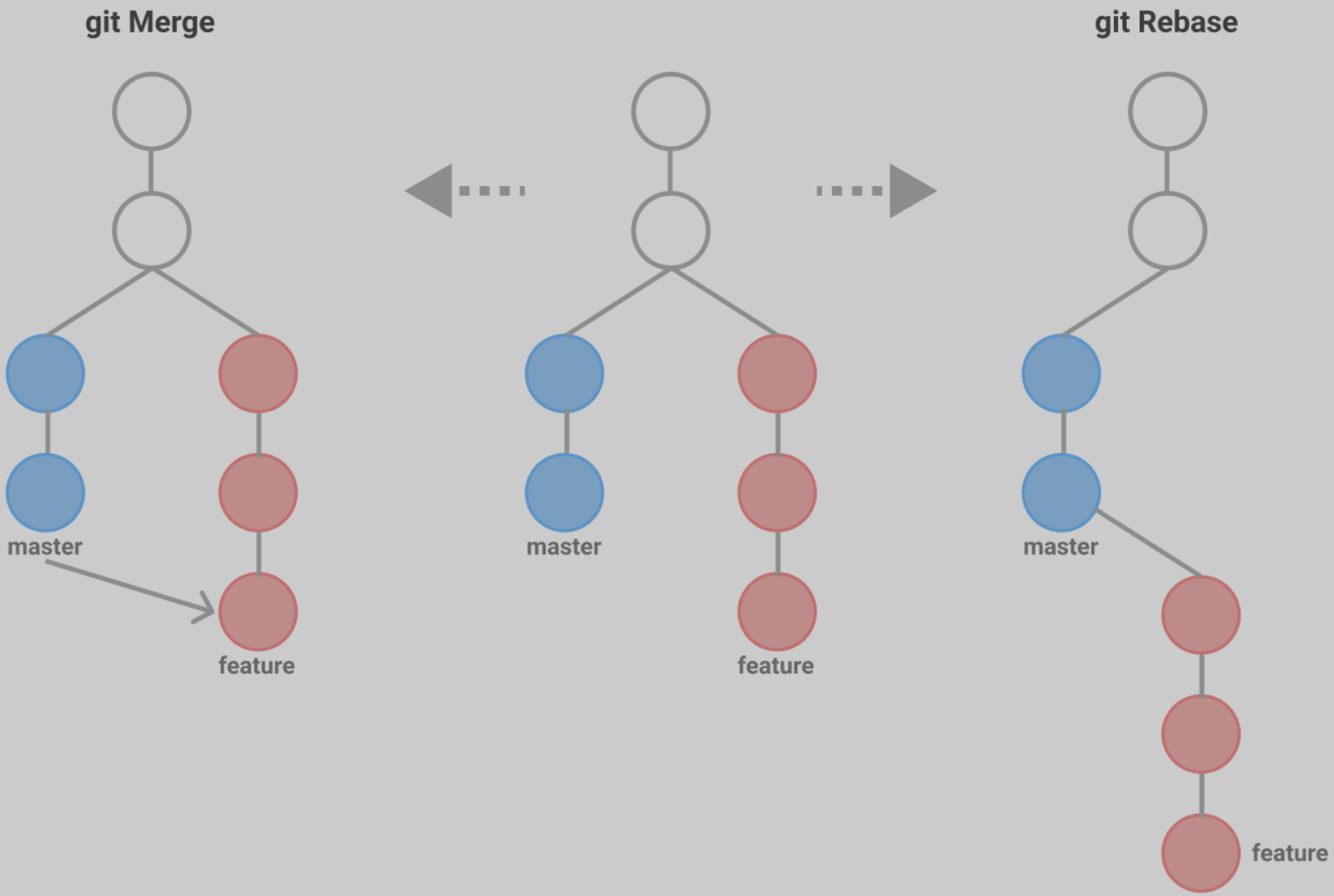
```
(base) au732936@d54216 test_git % git log
commit 652b9a4f9f2496cfae13e4151f40c153768f6bb6 (HEAD -> main, temp)
Author: Sendrowski <j.sendrowski18@gmail.com>
Date:   Wed Oct 25 16:48:27 2023 +0200

    Add another file.

commit 8d9ac0b7c11b38f07d59c5efacddbde81b89efb7
Author: Sendrowski <j.sendrowski18@gmail.com>
Date:   Wed Oct 25 10:38:30 2023 +0200

    Initial commit of file.txt
```

Rebase branch



HEAD

```
(base) au732936@d54216 test_git % git show HEAD
commit 652b9a4f9f2496cfae13e4151f40c153768f6bb6 (HEAD -> main, temp)
Author: Sendrowski <j.sendrowski18@gmail.com>
Date:   Wed Oct 25 16:48:27 2023 +0200

    Add another file.

diff --git a/file2.txt b/file2.txt
new file mode 100644
index 0000000..e69de29
```

```
(base) au732936@d54216 test_git % git show HEAD~1
commit 8d9ac0b7c11b38f07d59c5efacddbde81b89efb7
Author: Sendrowski <j.sendrowski18@gmail.com>
Date:   Wed Oct 25 10:38:30 2023 +0200

    Initial commit of file.txt

diff --git a/file.txt b/file.txt
new file mode 100644
index 0000000..e69de29
```

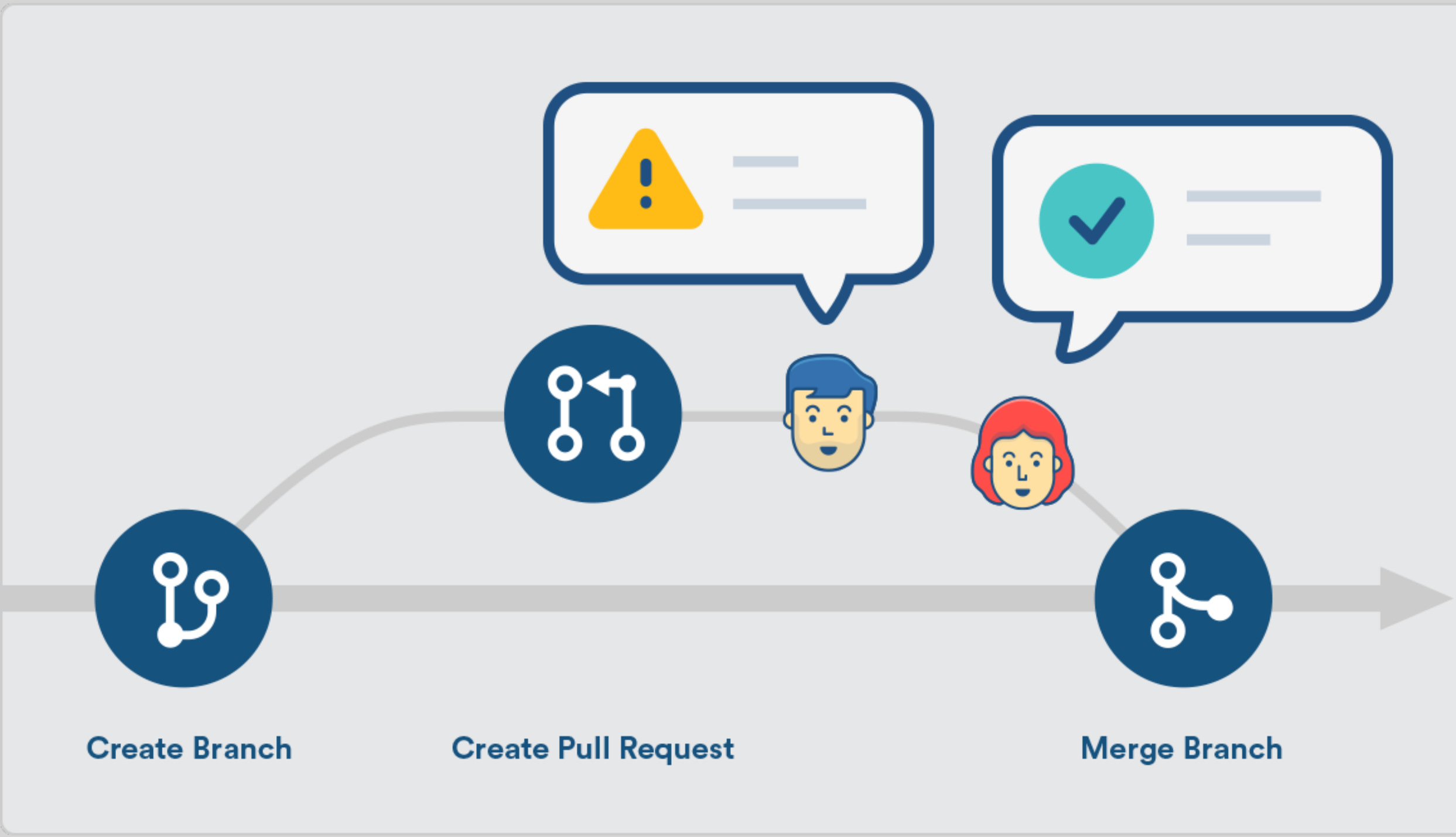
Show diff

```
(base) au732936@d54216 test_git % git diff HEAD~1
diff --git a/file2.txt b/file2.txt
new file mode 100644
index 0000000..e69de29
```

```
(base) au732936@d54216 test_git % git diff 8d9ac0b7c11b38f07d59c5efacddbde81b89efb7
diff --git a/file2.txt b/file2.txt
new file mode 100644
index 0000000..e69de29
```

Show diff

```
(base) au732936@d54216 CodingClub % git diff HEAD~2
diff --git a/.idea/.gitignore b/.idea/.gitignore
deleted file mode 100644
index 13566b8..0000000
--- a/.idea/.gitignore
+++ /dev/null
@@ -1,8 +0,0 @@
-# Default ignored files
-/shelf/
-/workspace.xml
-# Editor-based HTTP Client requests
-/httpRequests/
-# Datasource local storage ignored files
-/dataSources/
-/dataSources.local.xml
diff --git a/README.md b/README.md
new file mode 100644
index 0000000..02b24d9
--- /dev/null
+++ b/README.md
@@ -0,0 +1 @@
+Material for the BiRC coding club 🧬💻🤓
\ No newline at end of file
diff --git a/good_practices/presentation.pdf b/good_practices/presentation.pdf
new file mode 100644
index 0000000..1d0549b
```

GitHub

Pull request