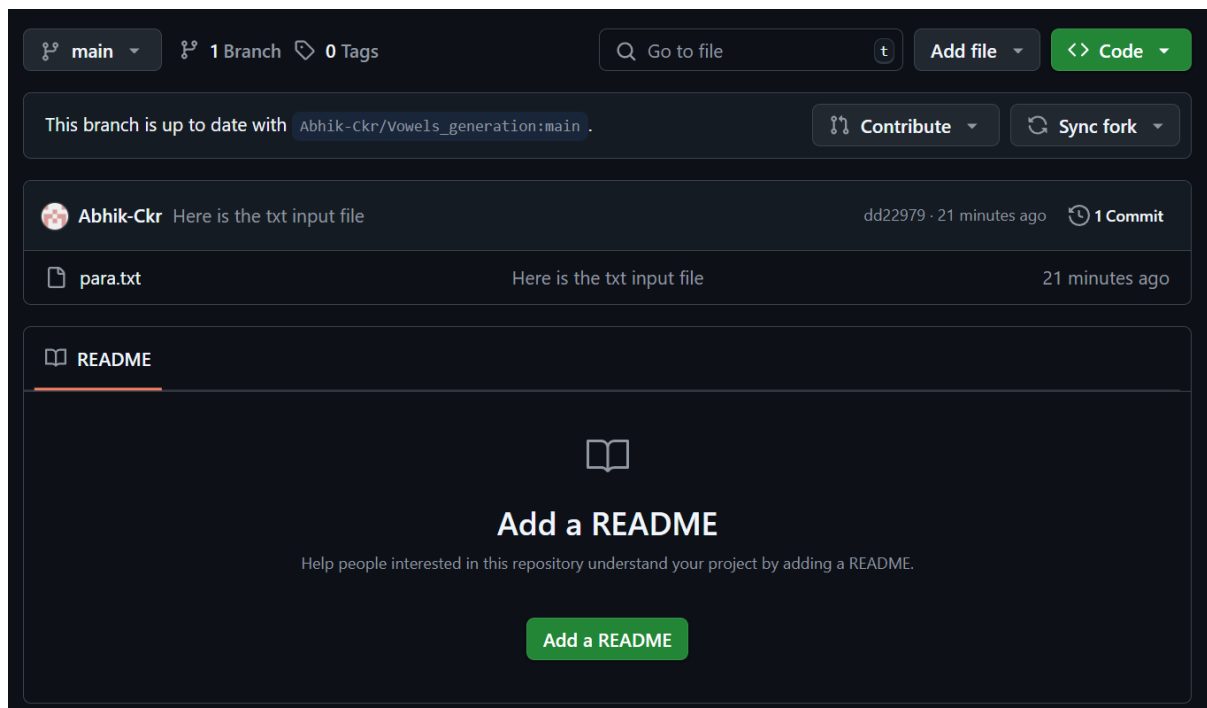# GIT Hands-On

Jahnavi Lakshmi Muttireddy

Abhik Chakraborty

1. Git init

```
● PS C:\Users\JahnaviLakshmiMuttir\Desktop\Vowel_generation> git init
  Initialized empty Git repository in C:/Users/JahnaviLakshmiMuttir/Desktop/Vowel_generation/.git/
○ PS C:\Users\JahnaviLakshmiMuttir\Desktop\Vowel_generation>
```

2. Git fork

3. Git Clone

```
● PS C:\Users\JahnaviLakshmiMuttir\Desktop\Vowel_generation> git clone https://github.com/jahnavi-lm/Vowels_ge
  neration.git
  Cloning into 'Vowels_generation'...
  remote: Enumerating objects: 3, done.
  remote: Counting objects: 100% (3/3), done.
  remote: Compressing objects: 100% (2/2), done.
  remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
  Receiving objects: 100% (3/3), done.
○ PS C:\Users\JahnaviLakshmiMuttir\Desktop\Vowel_generation>
```

4. Git status

```
● PS C:\Users\JahnaviLakshmiMuttir\Desktop\Vowel_generation\Vowels_generation> git status
  On branch java-functionality
  nothing to commit, working tree clean
```

5. Git add
6. Git commit
7. Git commit -m

```
PS C:\Users\JahnaviLakshmiMuttir\Desktop\Vowel_generation\Vowels_generation> git add .
PS C:\Users\JahnaviLakshmiMuttir\Desktop\Vowel_generation\Vowels_generation> git commit -m "Adding the Functionality w
ith output file"
[java-functionality cda18ab] Adding the Functionality with output file
 Committer: Jahnavi Lakshmi Muttireddy <jahnavi.muttireddy@bounteous.com>
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

 4 files changed, 121 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 Vowelgen.class
 create mode 100644 Vowelgen.java
 create mode 100644 vowel_words_output.txt
```

8. Git push

```
PS C:\Users\JahnaviLakshmiMuttir\Desktop\Vowel_generation\Vowels_generation> git push origin java-functional
ity
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 3.42 KiB | 159.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'java-functionality' on GitHub by visiting:
remote:      https://github.com/jahnavi-lm/Vowels_generation/pull/new/java-functionality
remote:
To https://github.com/jahnavi-lm/Vowels_generation.git
 * [new branch]      java-functionality -> java-functionality
```

9. Git rebase

```
pick cda18ab Adding the Functionality with output file
pick 8b3503b fixed the gitignore
pick 6a094a2 removed the comments

# Rebase dd22979..6a094a2 onto dd22979 (3 commands)
#
# Commands:
# p, pick <commit> = use commit
# r, reword <commit> = use commit, but edit the commit message
# e, edit <commit> = use commit, but stop for amending
# s, squash <commit> = use commit, but meld into previous commit
# f, fixup [-C | -c] <commit> = like "squash" but keep only the previous
#                    commit's log message, unless -C is used, in which case
#                    keep only this commit's message; -c is same as -C but
#                    opens the editor
# x, exec <command> = run command (the rest of the line) using shell
# b, break = stop here (continue rebase later with 'git rebase --continue')
# d, drop <commit> = remove commit
# l, label <label> = label current HEAD with a name
# t, reset <label> = reset HEAD to a label
# m, merge [-C <commit> | -c <commit>] <label> [# <oneline>]
#          create a merge commit using the original merge commit's
.git/rebase-merge/git-rebase-todo [unix] (16:12 26/05/2025)                 1,1 Top
```

10. Git stash

```
PS C:\Users\AbhikChakraborty\Desktop\generating vowels> git rebase -i HEAD~3
[detached HEAD b7102fe] fixed the gitignore and removed the unnecessary comments
 Date: Mon May 26 16:10:29 2025 +0530
 Committer: Abhik Chakraborty <abhik.chakraborty@bounteous.com>
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

 2 files changed, 6 insertions(+), 6 deletions(-)
Successfully rebased and updated refs/heads/feature-branch.
```
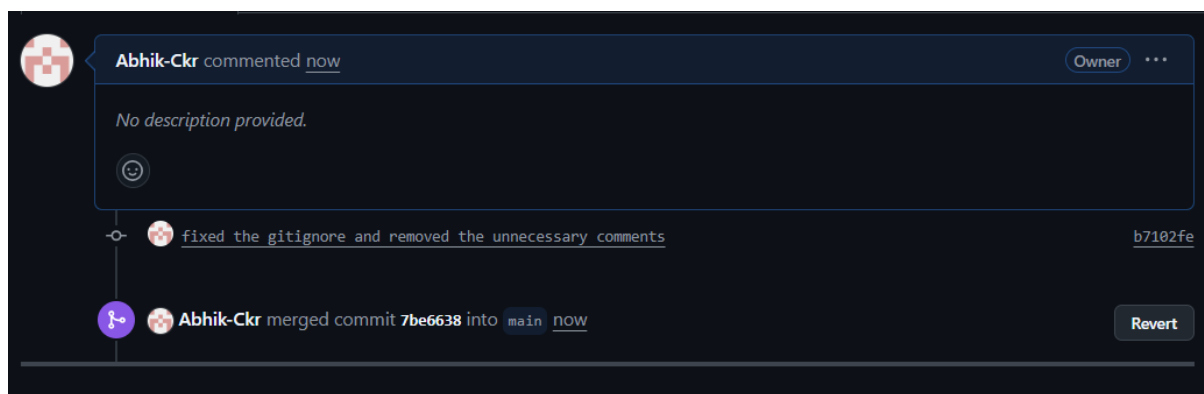
Multiple commit to a single commit

Merging Pull Request