

A screenshot of a computer

AI-generated content may be incorrect.

A black background with white text

AI-generated content may be incorrect.

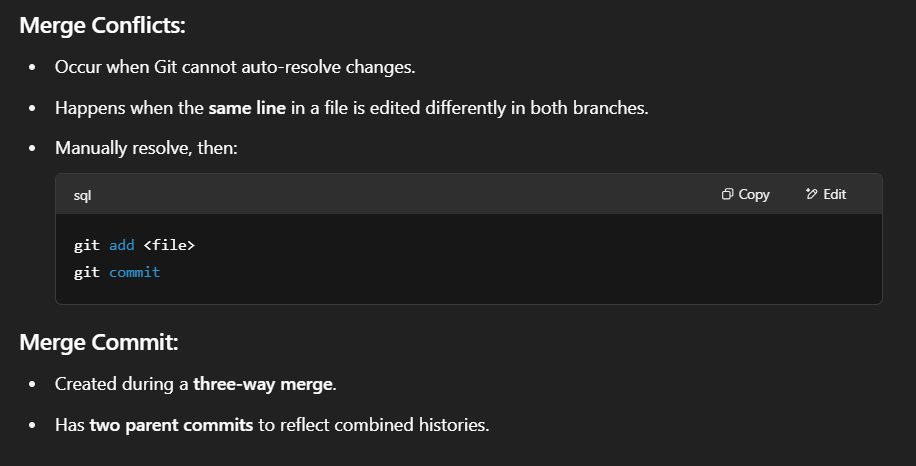
Fast-Forward merge



Three-way Merge

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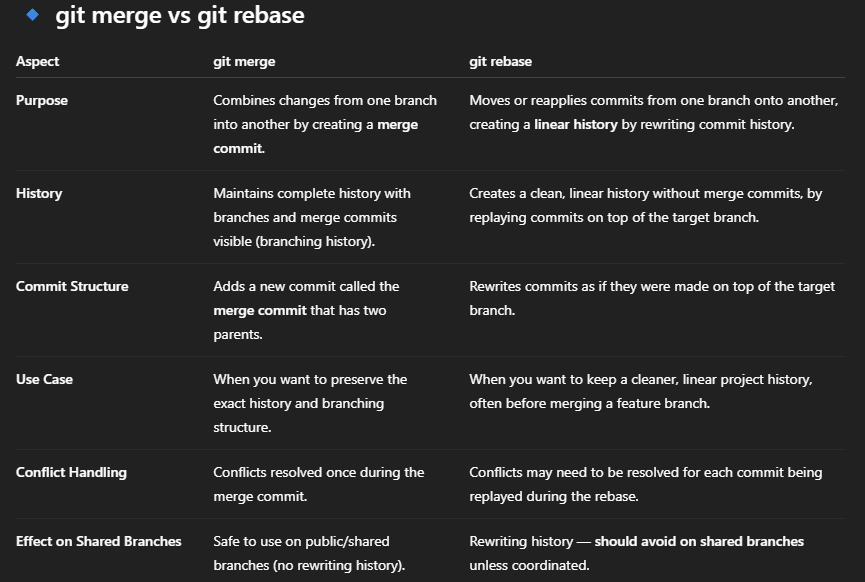


A screenshot of a black screen

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A screenshot of a computer

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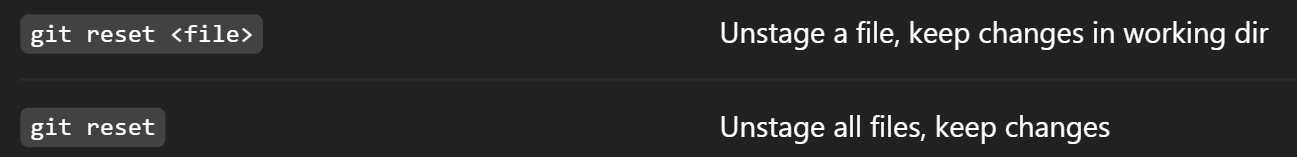
AI-generated content may be incorrect. A black background with white text

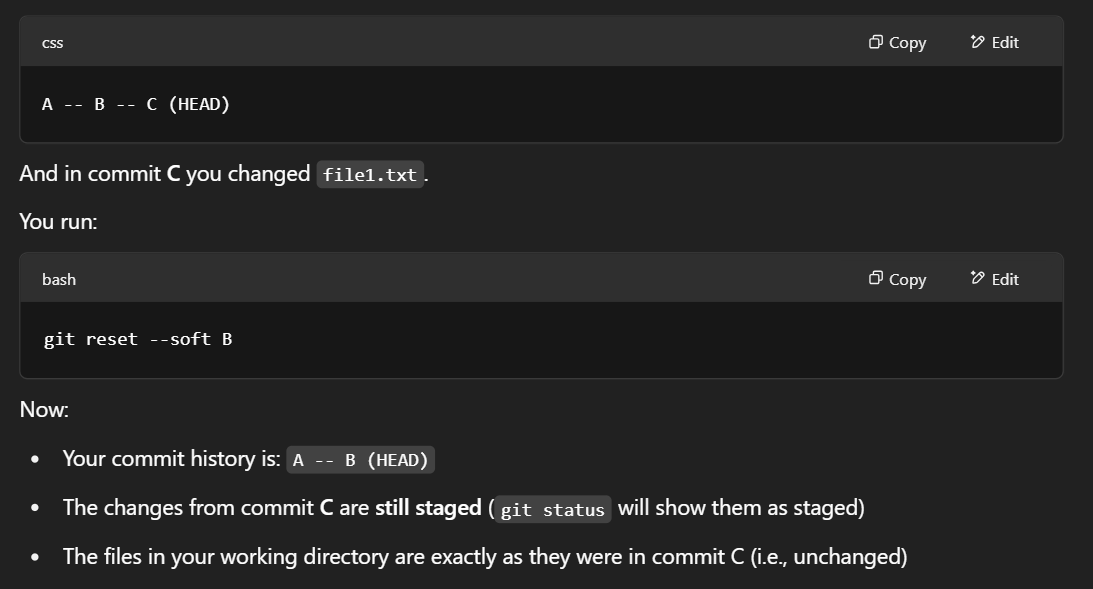
AI-generated content may be incorrect. A black background with white and pink text

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Before Merging Merge RebaseA screenshot of a computer

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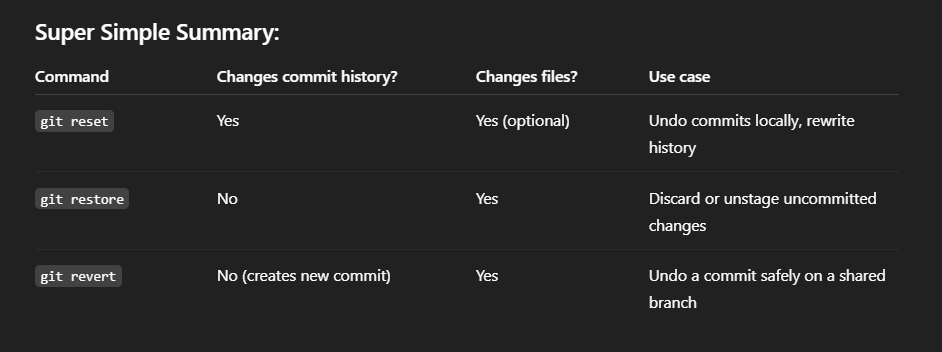


A screenshot of a computer program

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**restoring** means bringing back a previous version of a file from the Git history (usually the last committed version in your current branch), overwriting the current working version of the file.

Suppose you edited a file called index.html but haven't committed the changes yet. If you want to discard those changes and restore the file to its last committed state

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Scenario based questions  
Q1. You cloned a repo and made some changes, but now you want to discard *all* local changes and go back to the latest version on origin/main.

Git restore . 🡪 It's the correct command **if** you only want to undo changes to specific files that haven't been committed yet. git restore only works on unstaged or staged changes, not on local commits.

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git diff <file\_name> (or leave it blank) 🡪 Shows the differences between the working directory and the staging area (or the last commit if there are no staged changes).

git –staged diff <file\_name> 🡪 This flag tells Git to show the differences between the staging area and the last commit. It shows what is ready to be committed.