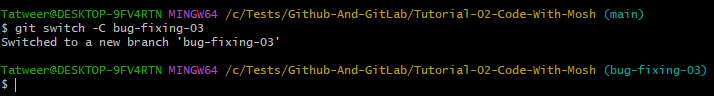


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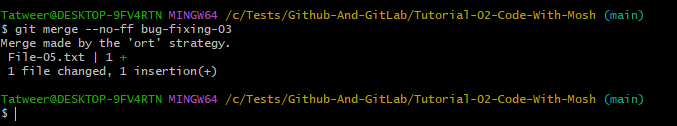
If We Want To Create And Switch To Branch In One Command:



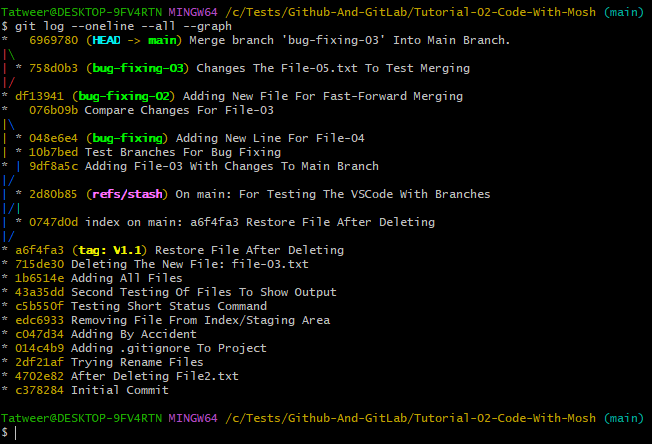
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

If WE Want To Avoid Fast-Forward Merging:

* *Run Command*: ***git merge --no-ff branch-name-here***
  + *Note*: In This Way The Editor Will Open To Make The Merge Commit.

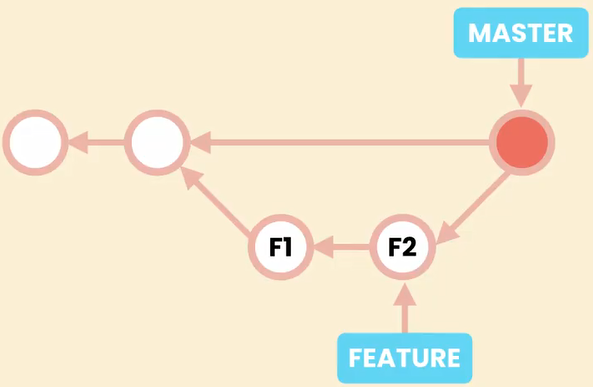


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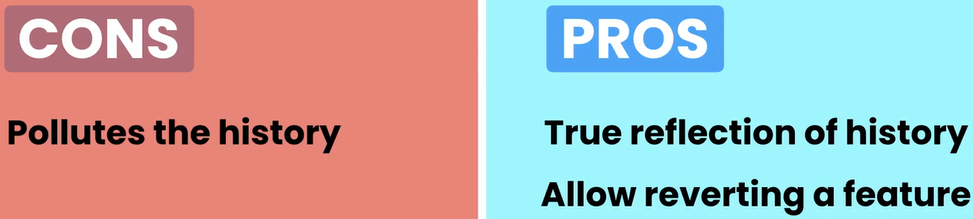


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**Note**: The Most Benefit Of *--no-ff* That We Can Return From Specific Commits To Another One If Any Problems Occur In The Current Version Of Project.

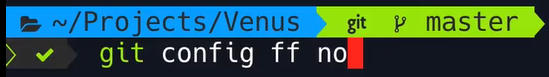


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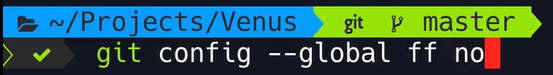


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*Note 1*: In This Way We Can Disable the Fast-Forward Merging For The Repository Only.

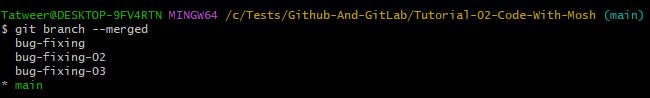


Note 2: And In This Way For All Repositories.



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To Show The Branches That Merged With Main-Branch:



\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

To Delete Branch:



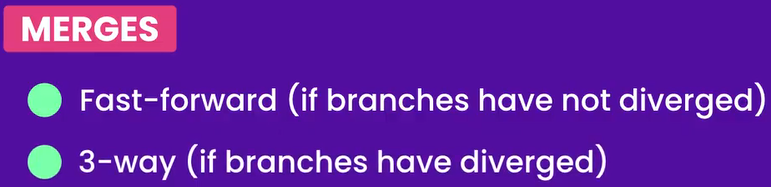
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

To Get List Of Branches That Not Merged With Current Branch (*Here Is Main*):



\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Note (To Remember):



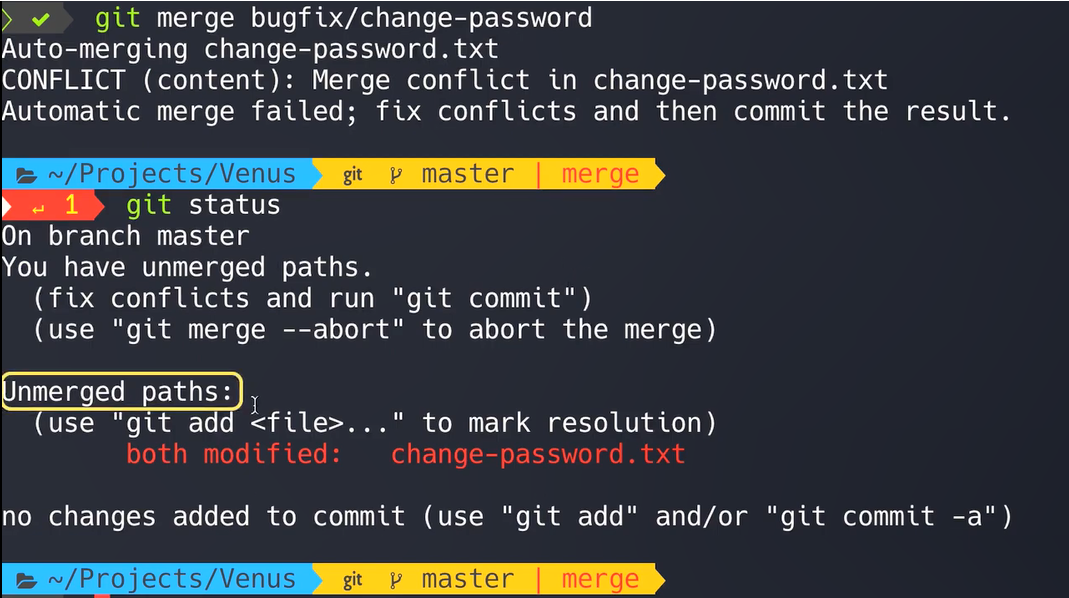
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

The Conflicts:

* 1st: The Same File Changes In The Two Branches.
* 2nd: The File Changed In One Branch, And Deleted On The Other.
* 3rd: The Same File Added In Two Branches.

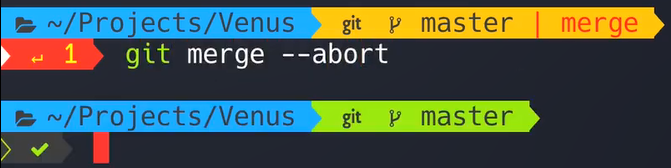


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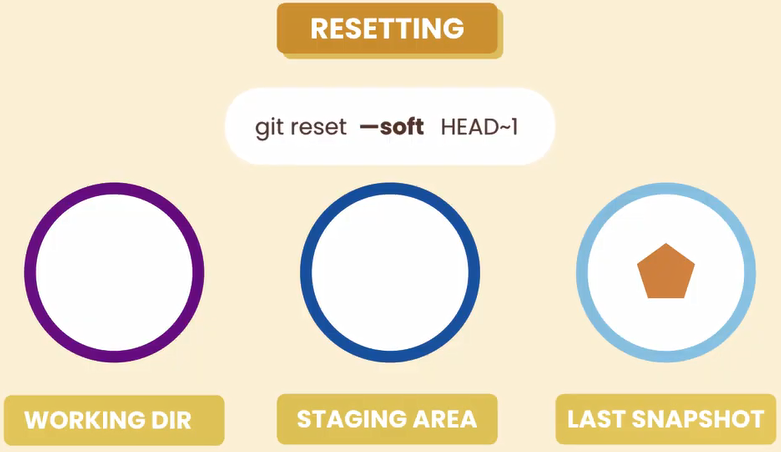


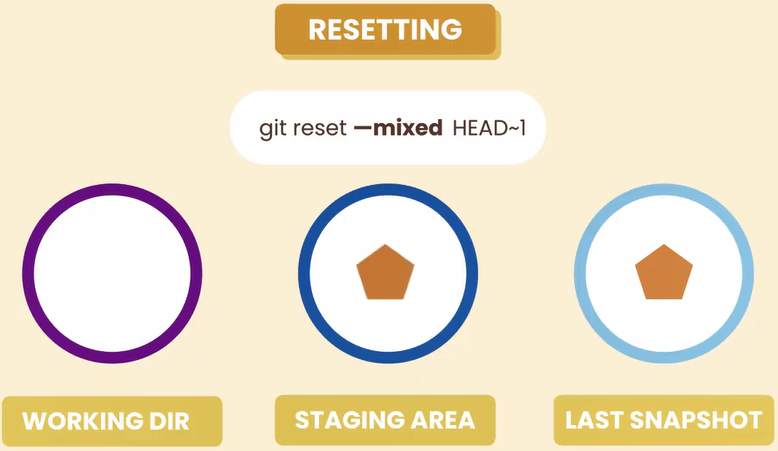
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

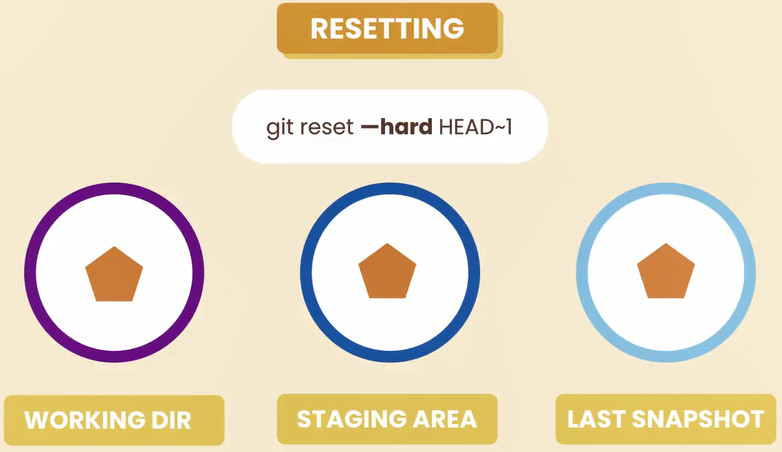
To Abort Merge:



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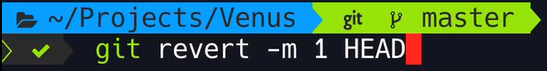






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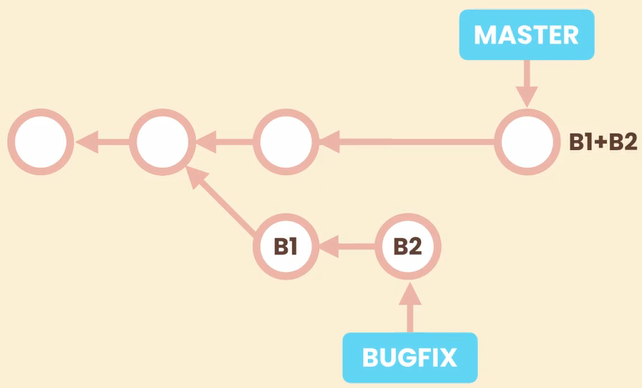
This Will Revert The Merge, And Go To First Parent (That is Main-Branch):

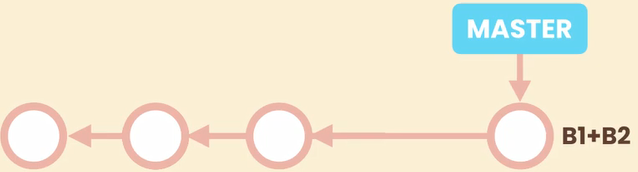


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That is Called Squash Merging:

* Combine The 2-Features Of Bug Fix, And Make Commit.
* Then Move The Pointer Of Master To That Commit.
* Then We Can Delete The BugFix Branch, And Get Simple Linear History.
* **Note**: Here We Must Use It For Small Features.

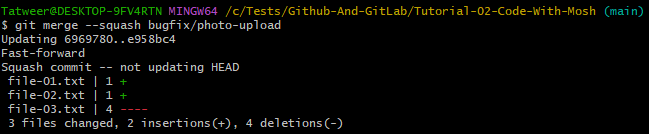


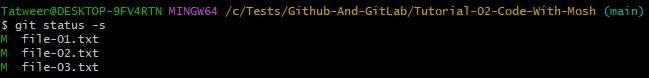


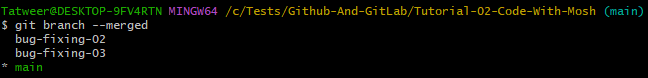
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Here We Don’t Commit Yet:

* *Run Command*: ***git merge --squash branch-name-here***
  + **Note**: We Must Be On The Main Branch.
* The New Branch Will Not Be In The List Of Merged Branches.





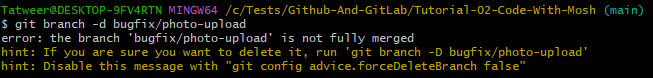




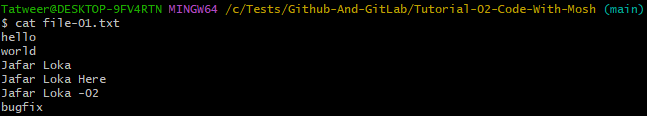
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Git Not See The Squash Merge As *Real Merge*:

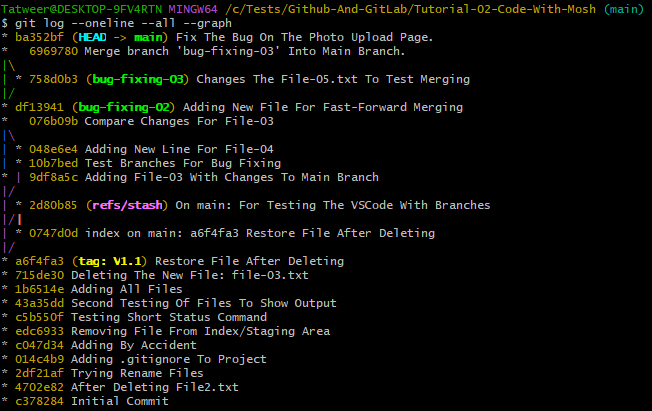
* Note: We Must Use –D
* Note: The Benefit Of This To Get Simple Linear History.





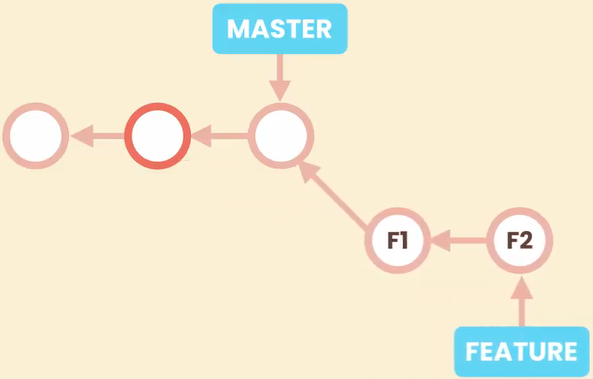
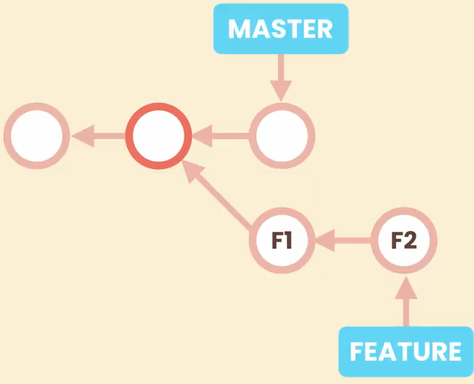


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Rebasing (Change The Base Of Features, So; We End With Linear History):



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