

Week8 Assignment 3

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KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/dem
o_git
$ touch file1

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git
$ touch file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git
$ cat >file1
this is line1 in file1

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git
$ cat file1
this is line1 in file1

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git
$ cat >file2
this is line1 in file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git
$ git add file1
fatal: not a git repository (or any of the parent directories): .git

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git
$ git init
Initialized empty Git repository in C:/Users/ashrit.bharadwaj/Desktop/ASHRIT/JavaTraining/demo_git/.git/

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git add file1
warning: in the working copy of 'file1', LF will be replaced by CRLF the next time Git touches it

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git add .
warning: in the working copy of 'file2', LF will be replaced by CRLF the next time Git touches it

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   file1
        new file:   file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git commit -m "one line added to each file"
[master (root-commit) fb738ee] one line added to each file
  Committer: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.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, 2 insertions(+)
create mode 100644 file1
create mode 100644 file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git status
On branch master
nothing to commit, working tree clean

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log
commit fb738ee877f3269683a3ecdbeb940f0c820add70 (HEAD -> master)
Author: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.com>
Date:   Tue Mar 4 10:06:56 2025 +0530

    one line added to each file

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ cat>>file1
line2 added to file1

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git add .
warning: in the working copy of 'file1', LF will be replaced by CRLF the next time Git touches it

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git commit -m "update on file1"
[master 734b140] update on file1
  Committer: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.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

1 file changed, 1 insertion(+)

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --oneline
734b140 (HEAD -> master) update on file1
fb738ee one line added to each file

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$
```

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KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --since="5 min ago"

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --max-count=3
commit 734b140818bccfad2d4b3f7d5be9116ee37aad52 (HEAD -> master)
Author: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.com>
Date: Tue Mar 4 10:09:30 2025 +0530

    update on file1

commit fb738ee877f3269683a3ecdbeb940f0c820add70
Author: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.com>
Date: Tue Mar 4 10:06:56 2025 +0530

    one line added to each file

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --max-count=1
commit 734b140818bccfad2d4b3f7d5be9116ee37aad52 (HEAD -> master)
Author: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.com>
Date: Tue Mar 4 10:09:30 2025 +0530

    update on file1

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ echo "line3 added to file2">>file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git diff
warning: in the working copy of 'file2', LF will be replaced by CRLF the next time Git touches it
diff --git a/file2 b/file2
index 83474fe..f9ba89e 100644
--- a/file2
+++ b/file2
@@ -1,2 @@
+this is line1 in file2
+line3 added to file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git add .
warning: in the working copy of 'file2', LF will be replaced by CRLF the next time Git touches it

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git diff
bash: dit: command not found

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git diff

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ |

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KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ touch foo.txt

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ ls
file1 file2 foo.txt

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   file2

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

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git clean -f
Removing foo.txt

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ ls
file1 file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ |

```

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KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ echo "line4 added to file2">>file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   file2

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git add .
warning: in the working copy of 'file2', LF will be replaced by CRLF the next time Git touches it

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git commit -m "line4 added to file 2"
[master a477b72] line4 added to file 2
  Committer: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.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

  1 file changed, 2 insertions(+)

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --oneline
a477b72 (HEAD -> master) line4 added to file 2
734b140 update on file1
fb738ee one line added to each file

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git reset HEAD^
Unstaged changes after reset:
M   file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --oneline

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734b140 (HEAD -> master) update on file1
fb738ee one line added to each file

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   file2

no changes added to commit (use "git add" and/or "git commit -a")

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git add .
warning: in the working copy of 'file2', LF will be replaced by CRLF the next time Git touches it

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git commit -m "re-committing"
[master 077adb0] re-committing
Committer: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.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

1 file changed, 2 insertions(+)

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --oneline
077adb0 (HEAD -> master) re-committing
734b140 update on file1
fb738ee one line added to each file

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git reset --hard HEAD^
HEAD is now at 734b140 update on file1

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git status
On branch master
nothing to commit, working tree clean

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$

```

```

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   file1

no changes added to commit (use "git add" and/or "git commit -a")

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git add .
warning: in the working copy of 'file1', LF will be replaced by CRLF the next time Git touches it

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git commit -m "line3 added to file1"
[master e27a962] line3 added to file1
Committer: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.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

1 file changed, 1 insertion(+)

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git status
On branch master
nothing to commit, working tree clean

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git reset --soft HEAD^

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --oneline
734b140 (HEAD -> master) update on file1
fb738ee one line added to each file

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   file1

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ |

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KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   file1

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git rm --cached file1
rm 'file1'

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:   file1

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        file1

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git rm -f file1
fatal: pathspec 'file1' did not match any files

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ ls
file1 file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git add .
warning: in the working copy of 'file1', LF will be replaced by CRLF the next time Git touches it

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git rm -f file1
rm 'file1'

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ ls
file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git restore file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ ls
file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git restore file1
error: pathspec 'file1' did not match any file(s) known to git

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ rm file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:   file1

Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:   file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git restore --staged file1

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git restore file1

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git restore file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git stus
git: 'stus' is not a git command. See 'git --help'.

The most similar command is
    status

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ ls
file1 file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git status
On branch master
nothing to commit, working tree clean

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KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ touch a.txt

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ touch b.txt

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git add a.txt

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git commit -m "c1m"
[master 4bea2c8] c1m
  Committer: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.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

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 a.txt

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git add b.txt

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git commit -m "c2m"
[master d33e5d3] c2m
  Committer: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.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

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 b.txt

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --oneline

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KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --oneline
d33e5d3 (HEAD -> master) c2m
4bea2c8 c1m
734b140 update on file1
fb738ee one line added to each file

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git branch
* master

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git checkout -b feature
Switched to a new branch 'feature'

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git branch
* feature
  master

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ touch z.txt

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git status
On branch feature
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    file1
        deleted:    file2

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

no changes added to commit (use "git add" and/or "git commit -a")

```

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KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ ls
a.txt b.txt z.txt

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git add z.txt

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git commit -m "c1f"
[feature 1052c25] c1f
  Committer: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.com>
  Your name and email address were configured automatically based
  on your username and hostname. Please check that they are accurate.

```

```

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git checkout feature
D   file1
D   file2
Switched to branch 'feature'

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git add .

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git commit -m "c2f"
[feature 5c6138b] c2f
  Committer: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.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, 3 deletions(-)
delete mode 100644 file1
delete mode 100644 file2

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git status
On branch feature
nothing to commit, working tree clean

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git checkout master
Switched to branch 'master'

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git status
On branch master
nothing to commit, working tree clean

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git status
On branch feature
nothing to commit, working tree clean

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git checkout master
Switched to branch 'master'

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git status
On branch master
nothing to commit, working tree clean

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --oneline
d33e5d3 (HEAD -> master) c2m
4bea2c8 c1m
734b140 update on file1
fb738ee one line added to each file

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git merge feature
Updating d33e5d3..5c6138b
Fast-forward
  file1 | 2 --
  file2 | 1 -
  z.txt | 0
  3 files changed, 3 deletions(-)
  delete mode 100644 file1
  delete mode 100644 file2
  create mode 100644 z.txt

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --oneline
5c6138b (HEAD -> master, feature) c2f
1052c25 c1f
d33e5d3 c2m
4bea2c8 c1m
734b140 update on file1
fb738ee one line added to each file

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ |

```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git status
On branch feature
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   m.txt
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git commit -m "c3f"
[feature 857effd] c3f
Committer: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.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
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 m.txt
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git status
On branch feature
nothing to commit, working tree clean
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ touch n.txt
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git add .
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git commit -m "c4f"
[feature 4b715ed] c4f
Committer: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.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:

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git log --oneline
4b715ed (HEAD -> feature) c4f
857effd c3f
5c6138b (master) c2f
1052c25 c1f
d33e5d3 c2m
4bea2c8 c1m
734b140 update on file1
fb738ee one line added to each file
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git checkout master
Switched to branch 'master'
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --oneline
5c6138b (HEAD -> master) c2f
1052c25 c1f
d33e5d3 c2m
4bea2c8 c1m
734b140 update on file1
fb738ee one line added to each file
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ ls
a.txt b.txt z.txt
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ touch c.txt
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git add .
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git commit -m "c3m"
[master 80279dd] c3m
Committer: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.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
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 c.txt
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git log --oneline
4b715ed (HEAD -> feature) c4f
857effd c3f
5c6138b (master) c2f
1052c25 c1f
d33e5d3 c2m
4bea2c8 c1m
734b140 update on file1
fb738ee one line added to each file
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git checkout master
Switched to branch 'master'
Merge branch 'feature'
```

```

Merge made by the 'ort' strategy.
 m.txt | 0
 n.txt | 0
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 m.txt
 create mode 100644 n.txt

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --oneline --graph
*   c5709c2 (HEAD -> master) Merge branch 'feature'
|
| * 4b715ed (feature) c4f
| * 857effd c3f
| * | 80279dd c3m
|/
* 5c6138b c2f
* 1052c25 c1f
* d33e5d3 c2m
* 4bea2c8 c1m
* 734b140 update on file1
* fb738ee one line added to each file

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ |

```

```

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git diff feature
diff --git a/c.txt b/c.txt
new file mode 100644
index 0000000..e69de29
diff --git a/e.txt b/e.txt
index e1785b3..c6e70c9 100644
--- a/e.txt
+++ b/e.txt
@@ -1,1,2 @@
~new data added by feature branch
+first line added
+New data added by master branch

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --oneline --graph
* 5bca35f (HEAD -> master) c5m
* 328565f c4m
*   c5709c2 Merge branch 'feature'
|
| * 4b715ed c4f
| * 857effd c3f
| * | 80279dd c3m
|/
* 5c6138b c2f
* 1052c25 c1f
* d33e5d3 c2m
* 4bea2c8 c1m
* 734b140 update on file1
* fb738ee one line added to each file

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ |

```

```

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git merge feature
Auto-merging e.txt
CONFLICT (add/add): Merge conflict in e.txt
Automatic merge failed; fix conflicts and then commit the result.

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master|MERGING)
$ cat e.txt
<<<<< HEAD
first line added
New data added by master branch
=====
new data added by feature branch
>>>>> feature

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master|MERGING)
$

```



```

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git merge feature
Auto-merging e.txt
CONFLICT (add/add): Merge conflict in e.txt
Automatic merge failed; fix conflicts and then commit the result.

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master|MERGING)
$ cat e.txt
<<<<< HEAD
first line added
New data added by master branch
=====
new data added by feature branch
>>>>> feature

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master|MERGING)
$ vim e.txt

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master|MERGING)
$ cat e.txt
first line added
New data added by master branch
new data added by feature branch

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master|MERGING)
$ git status
On branch master
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
        both added:   e.txt

no changes added to commit (use "git add" and/or "git commit -a")

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master|MERGING)
$ git add .

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master|MERGING)
$ git commit -m "resolved conflit"
[master c8a604b] resolved conflit
  Committer: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.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

```

```

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --oneline --graph
* c8a604b (HEAD -> master) resolved conflit
|
| * 8e9e17b (feature) c5f
| * | 5bca35f c5m
| * | 328565f c4m
| * | c5709c2 Merge branch 'feature'
|/
| * 4b715ed c4f
| * 857effd c3f
| * | 80279dd c3m
|/
* 5c6138b c2f
* 1052c25 c1f
* d33e5d3 c2m
* 4bea2c8 c1m
* 734b140 update on file1
* fb738ee one line added to each file

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$

```

```

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git log --oneline --graph
* b1f423a (HEAD -> feature) c7f
* 5662f11 c6f
* 8e9e17b c5f
* 4b715ed c4f
* 857effd c3f
* 5c6138b c2f
* 1052c25 c1f
* d33e5d3 c2m
* 4bea2c8 c1m
* 734b140 update on file1
* fb738ee one line added to each file

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ ^C

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
$ git checkout master
Switched to branch 'master'
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git log --oneline --graph
* 97f36eb (HEAD -> master) c6m
* c8a604b resolved conflit
|
| * 8e9e17b c5f
| * | 5bca35f c5m
| * | 328565f c4m
| * | c5709c2 Merge branch 'feature'
|/
| * 4b715ed c4f
| * 857effd c3f
| * | 80279dd c3m
|/
* 5c6138b c2f
* 1052c25 c1f
* d33e5d3 c2m
* 4bea2c8 c1m
* 734b140 update on file1
* fb738ee one line added to each file

KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$

```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git cherry-pick 5662f11
[master ac7c9f5] c6f
Date: Tue Mar 4 12:24:23 2025 +0530
Committer: Ashrit Bharadwaj <ashrit.bharadwaj@koerber-supplychain.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
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 q.txt
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
```

```
$ git log --oneline --graph
* ac7c9f5 (HEAD -> master) c6f
* 97f36eb c6m
* c8a604b resolved conflit
|
| * 8e9e17b c5f
| * | 5bca35f c5m
| * | 328565f c4m
| * | c5709c2 Merge branch 'feature'
|
| * 4b715ed c4f
| * 857effd c3f
| * | 80279dd c3m
|
|
| * 5c6138b c2f
| * 1052c25 c1f
| * d33e5d3 c2m
| * 4bea2c8 c1m
| * 734b140 update on file1
| * fb738ee one line added to each file
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
```

```
$ ls
a.txt b.txt c.txt e.txt m.txt n.txt p.txt q.txt z.txt
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
```

```
$
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ ls
a.txt b.txt c.txt e.txt m.txt n.txt p.txt q.txt z.txt
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git checkout feature
Switched to branch 'feature'
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
```

```
$ ls
a.txt b.txt e.txt m.txt n.txt o.txt q.txt z.txt
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (feature)
```

```
$
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
$ git tag "first_tag"
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
```

```
$ git log --oneline --graph
* ac7c9f5 (HEAD -> master, tag: first_tag) c6f
* 97f36eb c6m
* c8a604b resolved conflit
|
| * 8e9e17b c5f
| * | 5bca35f c5m
| * | 328565f c4m
| * | c5709c2 Merge branch 'feature'
|
| * 4b715ed c4f
| * 857effd c3f
| * | 80279dd c3m
|
|
| * 5c6138b c2f
| * 1052c25 c1f
| * d33e5d3 c2m
| * 4bea2c8 c1m
| * 734b140 update on file1
| * fb738ee one line added to each file
```

```
KSCSGLOBAL+ashrit.bharadwaj@IN-18X3B54 MINGW64 ~/Desktop/ASHRIT/JavaTraining/demo_git (master)
```

```
$
```