

In this document we will cover few more commands.

```
fms@git_practice:~/dev_colors$ git blame fruits.c
^36c5a24 (Dev-Fruits 2018-11-05 17:33:09 +0530 1) Apple
544e581f (Dev-Flowers 2018-11-06 13:27:18 +0530 2) Pine Apple
fms@git_practice:~/dev_colors$
```

This command will take file name as input and displays the contents of the file line by line along with some info.

The info includes who modified that line last (committer – in this case it is Dev-Fruits, Dev-Flowers), commit id, time stamp etc.

We do not know what all files are modified in a particular commit. So to check that use git show.

```
fms@git_practice:~/dev_colors$ git show 36c5a24
commit 36c5a24d35f6103fb391139008161f938bcefbaf
Author: Dev-Fruits <dev_fruits@FRUITS.com>
Date: Mon Nov 5 17:33:09 2018 +0530
```

created a file fruits.c

```
diff --git a/fruits.c b/fruits.c
new file mode 100644
index 0000000..05ceae9
--- /dev/null
+++ b/fruits.c
@@ -0,0 +1 @@
+Apple
fms@git_practice:~/dev_colors$
```

```
fms@git_practice:~/dev_colors$ git show 544e581f
commit 544e581fbb2e10e90fe64e6cb1567b48b22e1a44
Author: Dev-Flowers <dev_flowers@FLOWERS.com>
Date: Tue Nov 6 13:27:18 2018 +0530
```

updated fruits.c

```
diff --git a/fruits.c b/fruits.c
index 05ceae9..5fe600c 100644
--- a/fruits.c
+++ b/fruits.c
@@ -1 +1,2 @@
Apple
+Pine Apple
```

```
fms@git_practice:~/dev_colors$
```

```
fms@git_practice:~/dev_colors$ git log
```

```
commit 32960a24dfab357b4fdf63f201781c8e89639c44 (HEAD -> master,  
origin/master)
```

```
Author: Dev-Colors <dev_colors@COLORS.com>
```

```
Date: Tue Nov 6 13:55:13 2018 +0530
```

```
update .gitignore to ignore html files
```

```
commit 7d8d1d6b906cdca9272f52c1afda8873add4cbdd
```

```
Author: Dev-Colors <dev_colors@COLORS.com>
```

```
Date: Tue Nov 6 13:52:02 2018 +0530
```

```
created sweets.py
```

```
commit 66c27af89135ff0e8b045d8be0b425165960f704
```

```
Author: Dev-Colors <dev_colors@COLORS.com>
```

```
Date: Tue Nov 6 13:51:28 2018 +0530
```

```
created colors.java
```

```
commit 544e581fbb2e10e90fe64e6cb1567b48b22e1a44
```

```
Author: Dev-Flowers <dev_flowers@FLOWERS.com>
```

```
Date: Tue Nov 6 13:27:18 2018 +0530
```

```
updated fruits.c
```

```
commit a135ee5c3e032c5120641d80efa7cf05ab1a73ad
```

```
Author: Dev-Flowers <dev_flowers@FLOWERS.com>
```

```
Date: Tue Nov 6 13:26:04 2018 +0530
```

```
created flowers.cpp
```

```
commit 36c5a24d35f6103fb391139008161f938bcefbaf
```

```
Author: Dev-Fruits <dev_fruits@FRUITS.com>
```

```
Date: Mon Nov 5 17:33:09 2018 +0530
```

```
created a file fruits.c
```

```
fms@git_practice:~/dev_colors$
```

We know that **rm** is the command to remove files. To remove files from git, use **git rm**.

```
fms@git_practice:~/dev_colors$ git rm fruits.c
```

```
rm 'fruits.c'  
fms@git_practice:~/dev_colors$
```

```
fms@git_practice:~/dev_colors$ git status  
On branch master  
Changes to be committed:  
  (use "git reset HEAD <file>..." to unstage)
```

```
    deleted:   fruits.c
```

```
fms@git_practice:~/dev_colors$
```

We need to keep track of the changes we are making in this dir. So commit the changes even after removing a file.

```
fms@git_practice:~/dev_colors$ git commit -m "remove fruits.c from  
this project"  
[master bcfcc4e] remove fruits.c from this project  
 1 file changed, 2 deletions(-)  
 delete mode 100644 fruits.c  
fms@git_practice:~/dev_colors$
```

Let us rename the file.

```
fms@git_practice:~/dev_colors$ git mv flowers.cpp buds.cpp  
fms@git_practice:~/dev_colors$
```

```
fms@git_practice:~/dev_colors$ git status  
On branch master  
Changes to be committed:  
  (use "git reset HEAD <file>..." to unstage)
```

```
    renamed:   flowers.cpp -> buds.cpp
```

```
fms@git_practice:~/dev_colors$
```

```
fms@git_practice:~/dev_colors$ git commit -m "renamed flowers.c to  
buds.c"  
[master 803fdf4] renamed flowers.c to buds.c  
 1 file changed, 0 insertions(+), 0 deletions(-)  
 rename flowers.cpp => buds.cpp (100%)  
fms@git_practice:~/dev_colors$
```

```
fms@git_practice:~/dev_colors$ git revert  
66c27af89135ff0e8b045d8be0b425165960f704
```

```
[master 3d1b34e] Revert "created colors.java"
1 file changed, 4 deletions(-)
delete mode 100644 colors.java
fms@git_practice:~/dev_colors$
```

This reverts the commit. Whatever is done in this commit, git will undo the changes and commit automatically. The commit text will be same as the original commit but starts with the word 'Revert'.

```
fms@git_practice:~/dev_colors$ git status
On branch master
nothing to commit, working tree clean
fms@git_practice:~/dev_colors$
```

```
fms@git_practice:~/dev_colors$ git log
commit 3d1b34e03c57339e04511ec7d1619929cb5ca54b (HEAD ->
master)
Author: Dev-Colors <dev_colors@COLORS.com>
Date: Tue Nov 6 15:16:49 2018 +0530
```

Revert "created colors.java"    `git revert`

This reverts commit 66c27af89135ff0e8b045d8be0b425165960f704.

```
commit 803fdf4b2bd9eb7b2f5e870e4b7a456268b29492
Author: Dev-Colors <dev_colors@COLORS.com>
Date: Tue Nov 6 15:16:17 2018 +0530
```

renamed flowers.c to buds.c    `git mv`

```
commit bcfcc4e724eb20ef137158ffbddba3e76ce5879f
Author: Dev-Colors <dev_colors@COLORS.com>
Date: Tue Nov 6 15:14:31 2018 +0530
```

remove fruits.c from this project    `git rm`

```
commit 32960a24dfab357b4fdf63f201781c8e89639c44 (origin/master)
Author: Dev-Colors <dev_colors@COLORS.com>
Date: Tue Nov 6 13:55:13 2018 +0530
```

update .gitignore to ignore html files

```
commit 7d8d1d6b906cdca9272f52c1afda8873add4cbdd
Author: Dev-Colors <dev_colors@COLORS.com>
Date: Tue Nov 6 13:52:02 2018 +0530
```

created sweets.py

commit 66c27af89135ff0e8b045d8be0b425165960f704  
Author: Dev-Colors <dev\_colors@COLORS.com>  
Date: Tue Nov 6 13:51:28 2018 +0530

created colors.java

commit 544e581fbb2e10e90fe64e6cb1567b48b22e1a44  
Author: Dev-Flowers <dev\_flowers@FLOWERS.com>  
Date: Tue Nov 6 13:27:18 2018 +0530

updated fruits.c

commit a135ee5c3e032c5120641d80efa7cf05ab1a73ad  
Author: Dev-Flowers <dev\_flowers@FLOWERS.com>  
Date: Tue Nov 6 13:26:04 2018 +0530

created flowers.cpp

commit 36c5a24d35f6103fb391139008161f938bcefbaf  
Author: Dev-Fruits <dev\_fruits@FRUITS.com>  
Date: Mon Nov 5 17:33:09 2018 +0530

created a file fruits.c  
(END)

## Push the changes

```
fms@git_practice:~/dev_colors$ git push origin master
Username for 'https://github.com': srivalli-projects
Password for 'https://srivalli-projects@github.com':
Counting objects: 6, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 695 bytes | 695.00 KiB/s, done.
Total 6 (delta 3), reused 0 (delta 0)
remote: Resolving deltas: 100% (3/3), completed with 1 local object.
To https://github.com/srivalli-projects/sample-project.git
  32960a2..3d1b34e master -> master
fms@git_practice:~/dev_colors$
```

Commits on Nov 6, 2018

**Revert "created colors.java"** ...



Dev-Colors authored and Dev-Colors committed 9 minutes ago

**renamed flowers.c to buds.c**



Dev-Colors authored and Dev-Colors committed 10 minutes ago

**remove fruits.c from this project**



Dev-Colors authored and Dev-Colors committed 12 minutes ago

**update .gitignore to ignore html files**



Dev-Colors authored and Dev-Colors committed 2 hours ago

**created sweets.py**



Dev-Colors authored and Dev-Colors committed 2 hours ago

**created colors.java**



Dev-Colors authored and Dev-Colors committed 2 hours ago

**updated fruits.c**



Dev-Flowers authored and Dev-Flowers committed 2 hours ago

**created flowers.cpp**




Dev-Flowers authored and Dev-Flowers committed 2 hours ago


Commits on Nov 5, 2018

**created a file fruits.c**



Dev-Fruits authored and Dev-Fruits committed 22 hours ago

 9 commits

 1 branch

Branch: master ▾

New pull request

 Dev-Colors and Dev-Colors Revert "created colors.java" ...

Git commands covered so far:

11. git clone
12. git pull
13. .gitignore
14. git blame
15. git show
16. git rm
17. git mv
18. git revert