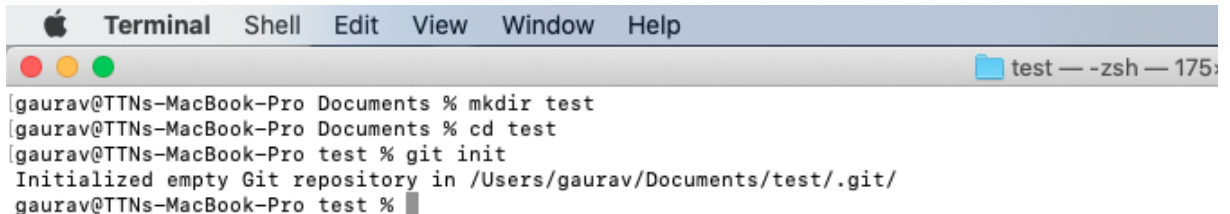


Introduction to Version Control

1. Git Setup <https://confluence.atlassian.com/bitbucket/set-up-git-744723531.html>
2. Initialize a Git Repository

A screenshot of a macOS Terminal window. The title bar shows 'Terminal' with menu options 'Shell', 'Edit', 'View', 'Window', and 'Help'. The window has three colored window control buttons (red, yellow, green) on the left and a tab labeled 'test — -zsh — 175' on the right. The terminal text shows the user 'gaurav' at 'TTNs-MacBook-Pro' in the 'Documents' directory. They run 'mkdir test', 'cd test', and 'git init'. The output of 'git init' is 'Initialized empty Git repository in /Users/gaurav/Documents/test/.git/'. The prompt returns to 'gaurav@TTNs-MacBook-Pro test %'.

3. Add files to the repository

```
[gaurav@TTNs-MacBook-Pro Documents % mkdir test
[gaurav@TTNs-MacBook-Pro Documents % cd test
[gaurav@TTNs-MacBook-Pro test % git init
Initialized empty Git repository in /Users/gaurav/Documents/test/.git/
[gaurav@TTNs-MacBook-Pro test % touch file.txt
[gaurav@TTNs-MacBook-Pro test % git add .
[gaurav@TTNs-MacBook-Pro test % git status
On branch master

No commits yet

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

        new file:   file.txt

[gaurav@TTNs-MacBook-Pro test % git commit -m "File added"
[master (root-commit) ebf103f] File added
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 file.txt
[gaurav@TTNs-MacBook-Pro test % git status
On branch master
nothing to commit, working tree clean
[gaurav@TTNs-MacBook-Pro test % git log
commit ebf103f6c7706757a4f03d176ac12b93c887372c (HEAD -> master)
Author: Gaurav Bisht <gauravbisht.ten@gmail.com>
Date:   Fri Sep 10 23:34:50 2021 +0530

    File added
gaurav@TTNs-MacBook-Pro test %
```

4. Unstage 1 file

```
[gaurav@TTNs-MacBook-Pro test % ls
file.txt
[gaurav@TTNs-MacBook-Pro test % echo "Hello" > file.txt
[gaurav@TTNs-MacBook-Pro test % git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   file.txt

no changes added to commit (use "git add" and/or "git commit -a")
[gaurav@TTNs-MacBook-Pro test % git add .
[gaurav@TTNs-MacBook-Pro test % git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   file.txt

[gaurav@TTNs-MacBook-Pro test % git reset HEAD file.txt
Unstaged changes after reset:
M       file.txt
[gaurav@TTNs-MacBook-Pro test % git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   file.txt

no changes added to commit (use "git add" and/or "git commit -a")
gaurav@TTNs-MacBook-Pro test % █
```

5. Commit the file

```
[gaurav@TTNs-MacBook-Pro test % ls -l
total 16
-rw-r--r--  1 gaurav  staff   6 Sep 11 22:01 README.md
-rw-r--r--  1 gaurav  staff   6 Sep 11 22:11 file.txt
-rw-r--r--  1 gaurav  staff   0 Sep 14 12:20 hello.txt
drwxr-xr-x  3 gaurav  staff  96 Sep 11 22:02 testfolder
[gaurav@TTNs-MacBook-Pro test % echo "Hello" > hello.txt
[gaurav@TTNs-MacBook-Pro test % git status
On branch main
Your branch is up to date with 'origin/main'.

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

        modified:   hello.txt

no changes added to commit (use "git add" and/or "git commit -a")
[gaurav@TTNs-MacBook-Pro test % git add .
[gaurav@TTNs-MacBook-Pro test % git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   hello.txt

[gaurav@TTNs-MacBook-Pro test % git commit -m "hello.txt edited"
[main 827c294] hello.txt edited
 1 file changed, 1 insertion(+)
[gaurav@TTNs-MacBook-Pro test % git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
gaurav@TTNs-MacBook-Pro test % █
```

6. Add a remote

```
[gaurav@TTNs-MacBook-Pro test % git remote add test1 https://github.com/gauravsgitt/test1.git
[gaurav@TTNs-MacBook-Pro test % git remote -v
origin  https://github.com/gauravsgitt/test.git (fetch)
origin  https://github.com/gauravsgitt/test.git (push)
test1   https://github.com/gauravsgitt/test1.git (fetch)
test1   https://github.com/gauravsgitt/test1.git (push)
testremote https://github.com/gauravsgitt/testremote.git (fetch)
testremote https://github.com/gauravsgitt/testremote.git (push)
gaurav@TTNs-MacBook-Pro test % █
```

7. Undo changes to a particular file

```
[gaurav@TTNs-MacBook-Pro test % ls -l

total 16
-rw-r--r--  1 gaurav  staff    6 Sep 11 22:01 README.md
-rw-r--r--  1 gaurav  staff    6 Sep 11 22:09 file.txt
drwxr-xr-x  3 gaurav  staff  96 Sep 11 22:02 testfolder
drwxr-xr-x  4 gaurav  staff 128 Sep 11 22:05 testremote
[gaurav@TTNs-MacBook-Pro test % cat file.txt

hello
[gaurav@TTNs-MacBook-Pro test % echo " world" >> file.txt

[gaurav@TTNs-MacBook-Pro test % cat file.txt

hello
world
[gaurav@TTNs-MacBook-Pro test % git status

On branch main
Your branch is up to date with 'origin/main'.

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

        modified:   file.txt

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

        testremote/

no changes added to commit (use "git add" and/or "git commit -a")
[gaurav@TTNs-MacBook-Pro test % git checkout file.txt

[gaurav@TTNs-MacBook-Pro test % cat file.txt

hello
[gaurav@TTNs-MacBook-Pro test % git status

On branch main
Your branch is up to date with 'origin/main'.

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

        testremote/

nothing added to commit but untracked files present (use "git add" to track)
gaurav@TTNs-MacBook-Pro test % █
```

8. Push changes to Github

```
[gaurav@TTNs-MacBook-Pro test % touch hello.txt
[gaurav@TTNs-MacBook-Pro test % git add .
[gaurav@TTNs-MacBook-Pro test % git commit -m "hello added"
[main adf9ef6] hello added
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 hello.txt
[gaurav@TTNs-MacBook-Pro test % git push
Counting objects: 2, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 338 bytes | 338.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0)
To https://github.com/gauravsgitt/test.git
 a754fb2..adf9ef6  main -> main
gaurav@TTNs-MacBook-Pro test % █
```

9. Clone the repository

```
[gaurav@TTNs-MacBook-Pro Git % ls -l

total 0
drwxr-xr-x  6 gaurav  staff  192 Sep 10 21:25 bootcampExercises
drwxr-xr-x  7 gaurav  staff  224 Sep 11 22:11 test
[gaurav@TTNs-MacBook-Pro Git % git clone https://github.com/gauravsgitt/test1.git

Cloning into 'test1'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
[gaurav@TTNs-MacBook-Pro Git % ls -l

total 0
drwxr-xr-x  6 gaurav  staff  192 Sep 10 21:25 bootcampExercises
drwxr-xr-x  7 gaurav  staff  224 Sep 11 22:11 test
drwxr-xr-x  4 gaurav  staff  128 Sep 11 22:12 test1
gaurav@TTNs-MacBook-Pro Git % █
```

10. Add changes to one of the copies and pull the changes in the other.
11. Check differences between a file and its staged version

```
[gaurav@TTNs-MacBook-Pro test % touch hello.txt
[gaurav@TTNs-MacBook-Pro test % git status
On branch main
Your branch is up to date with 'origin/main'.

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

        modified:   hello.txt

no changes added to commit (use "git add" and/or "git commit -a")
[gaurav@TTNs-MacBook-Pro test % git add .
[gaurav@TTNs-MacBook-Pro test % git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   hello.txt

[gaurav@TTNs-MacBook-Pro test % echo "gaurav" >> hello.txt
[gaurav@TTNs-MacBook-Pro test % git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   hello.txt

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

        modified:   hello.txt

[gaurav@TTNs-MacBook-Pro test % git diff
diff --git a/hello.txt b/hello.txt
index e69de29..1989e6d 100644
--- a/hello.txt
+++ b/hello.txt
@@ -0,0 +1 @@
+gaurav
gaurav@TTNs-MacBook-Pro test %
```

12. Ignore a few files to be checked in

```
[gaurav@TTNs-MacBook-Pro test % ls -l
total 16
-rw-r--r--  1 gaurav  staff   6 Sep 11 22:01 README.md
-rw-r--r--  1 gaurav  staff   5 Sep 15 12:30 file.txt
-rw-r--r--  1 gaurav  staff   0 Sep 15 12:09 hello.txt
-rw-r--r--  1 gaurav  staff   0 Sep 15 12:39 temp.txt
drwxr-xr-x  3 gaurav  staff  96 Sep 11 22:02 testfolder
[gaurav@TTNs-MacBook-Pro test % echo "hello" > hello.txt
[gaurav@TTNs-MacBook-Pro test % git status
On branch main
Your branch is up to date with 'origin/main'.

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

        modified:   hello.txt

no changes added to commit (use "git add" and/or "git commit -a")
[gaurav@TTNs-MacBook-Pro test %
[gaurav@TTNs-MacBook-Pro test %
[gaurav@TTNs-MacBook-Pro test % touch .gitignore
[gaurav@TTNs-MacBook-Pro test %
[gaurav@TTNs-MacBook-Pro test %
[gaurav@TTNs-MacBook-Pro test % echo "hello.txt" > .gitignore
[gaurav@TTNs-MacBook-Pro test % git status
On branch main
Your branch is up to date with 'origin/main'.

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

        modified:   hello.txt

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

        .gitignore

no changes added to commit (use "git add" and/or "git commit -a")
[gaurav@TTNs-MacBook-Pro test % git add .
[gaurav@TTNs-MacBook-Pro test % git commit -m "gitignore created"
[main b385740] gitignore created
 2 files changed, 2 insertions(+)
 create mode 100644 .gitignore
[gaurav@TTNs-MacBook-Pro test % git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
gaurav@TTNs-MacBook-Pro test %
```

```
[gaaurav@TTNs-MacBook-Pro test % echo "Gaurav" >> hello.txt
[gaaurav@TTNs-MacBook-Pro test % git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)
```

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

```
        modified:   hello.txt
```

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

```
[gaaurav@TTNs-MacBook-Pro test %
[gaaurav@TTNs-MacBook-Pro test %
[gaaurav@TTNs-MacBook-Pro test % git rm -r --cached .
rm '.gitignore'
rm 'README.md'
rm 'file.txt'
rm 'hello.txt'
rm 'temp.txt'
rm 'testfolder/file1.txt'
[gaaurav@TTNs-MacBook-Pro test %
[gaaurav@TTNs-MacBook-Pro test % echo "Rohan" >> hello.txt
[gaaurav@TTNs-MacBook-Pro test %
[gaaurav@TTNs-MacBook-Pro test %
[gaaurav@TTNs-MacBook-Pro test % git staues
git: 'staues' is not a git command. See 'git --help'.
```

```
The most similar command is
status
```

```
[gaaurav@TTNs-MacBook-Pro test % git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)
```

```
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)
```

```
        deleted:   .gitignore
        deleted:   README.md
        deleted:   file.txt
        deleted:   hello.txt
        deleted:   temp.txt
        deleted:   testfolder/file1.txt
```

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

```
        .gitignore
        README.md
        file.txt
        temp.txt
        testfolder/
```

```
gaaurav@TTNs-MacBook-Pro test % █
```

```
[gaaurav@TTNs-MacBook-Pro test % git add .
[gaaurav@TTNs-MacBook-Pro test % git commit -m "fixed"
[main 41d6fc5] fixed
 1 file changed, 1 deletion(-)
 delete mode 100644 hello.txt
[gaaurav@TTNs-MacBook-Pro test % echo "final" >> hello.txt
[gaaurav@TTNs-MacBook-Pro test %
[gaaurav@TTNs-MacBook-Pro test % git status
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
(use "git push" to publish your local commits)
```

```
nothing to commit, working tree clean
gaaurav@TTNs-MacBook-Pro test % █
```


13. Create a new branch.

```
[gaurav@TTNs-MacBook-Pro test % git pull
Already up to date.
[gaurav@TTNs-MacBook-Pro test % git branch
* main
[gaurav@TTNs-MacBook-Pro test % git checkout -b 'newbranch'
M      hello.txt
Switched to a new branch 'newbranch'
gaurav@TTNs-MacBook-Pro test % █
```

14. Diverge them with commits

```
[gaurav@TTNs-MacBook-Pro test % git log --oneline
6dc751c (HEAD, origin/origin/main, origin/main, origin/HEAD, origin/main, main) files edited
5408fd8 files edited
ac78442 files added in testfolder
41d6fc5 fixed
b385740 gitignore created
f394205 ignore
3550af2 sda
827c294 hello.txt edited
adf9ef6 hello added
a754fb2 file.txt edited
d44752b files added
8b5b99e Initial commit
[gaurav@TTNs-MacBook-Pro test % git checkout newbranch
Previous HEAD position was 6dc751c... files edited
Switched to branch 'newbranch'
[gaurav@TTNs-MacBook-Pro test % touch new.txt
[gaurav@TTNs-MacBook-Pro test % git add .
[gaurav@TTNs-MacBook-Pro test % git commit -m "new file added in newbranch"
[newbranch f4d1d37] new file added in newbranch
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 new.txt
[gaurav@TTNs-MacBook-Pro test % git log --oneline
f4d1d37 (HEAD -> newbranch) new file added in newbranch
a88a4c5 abc
fb786da file deleted
efa6fef Revert "hello file edited"
62bf04c hello file edited
dcf944f Revert "hello file edited" Changes need to be done.: This reverts commit 0f661b153b3c3e37336dc2e782c79b85403cdff1.
0f661b1 hello file edited
f394205 ignore
3550af2 sda
827c294 hello.txt edited
adf9ef6 hello added
a754fb2 file.txt edited
d44752b files added
8b5b99e Initial commit
gaurav@TTNs-MacBook-Pro test % █
```



```

[aurav@TTNs-MacBook-Pro test % touch new2
[aurav@TTNs-MacBook-Pro test % git add .
[aurav@TTNs-MacBook-Pro test % git commit -m "new2 added"
[newbranch 9ec30b2] new2 added
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 new2
[aurav@TTNs-MacBook-Pro test % git log --oneline
9ec30b2 (HEAD -> newbranch) new2 added
f4d1d37 new file added in newbranch
a88a4c5 abc
fb786da file deleted
efa6fef Revert "hello file edited"
62bf04c hello file edited
dcf944f Revert "hello file edited" Changes need to be done.: This reverts commit 0f661b153b3c3e37336dc2e782c79b85403cdf1.
0f661b1 hello file edited
f394205 ignore
3550af2 sda
827c294 hello.txt edited
adf9ef6 hello added
a754fb2 file.txt edited
d44752b files added
8b5b99e Initial commit
[aurav@TTNs-MacBook-Pro test % git checkout main
Switched to branch 'main'
Your branch is up to date with 'remotes/origin/main'.
[aurav@TTNs-MacBook-Pro test % git status
On branch main
Your branch is up to date with 'remotes/origin/main'.

nothing to commit, working tree clean
[aurav@TTNs-MacBook-Pro test % git log --oneline
6dc751c (HEAD -> main, origin/origin/main, origin/main, origin/HEAD, origin/main) files edited
5408fd8 files edited
ac78442 files added in testfolder
41d6fc5 fixed
b385740 gitignore created
f394205 ignore
3550af2 sda
827c294 hello.txt edited
adf9ef6 hello added
a754fb2 file.txt edited
d44752b files added
8b5b99e Initial commit
[aurav@TTNs-MacBook-Pro test % █

```

15. Edit the same file at the same line on both branches and commit

```
[gaurav@TTNs-MacBook-Pro learn % git checkout newbranch
Switched to branch 'newbranch'
[gaurav@TTNs-MacBook-Pro learn % ls
file.txt      folder      folder0      temp.txt
[gaurav@TTNs-MacBook-Pro learn % vim file.txt
[gaurav@TTNs-MacBook-Pro learn % git status
On branch newbranch
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   file.txt

no changes added to commit (use "git add" and/or "git commit -a")
[gaurav@TTNs-MacBook-Pro learn % git add .
[gaurav@TTNs-MacBook-Pro learn % git commit -m "changes in newbranch"
[newbranch ec46165] changes in newbranch
 1 file changed, 1 insertion(+)
[gaurav@TTNs-MacBook-Pro learn % git status
On branch newbranch
nothing to commit, working tree clean
[gaurav@TTNs-MacBook-Pro learn %
[gaurav@TTNs-MacBook-Pro learn %
[gaurav@TTNs-MacBook-Pro learn % git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
[gaurav@TTNs-MacBook-Pro learn % cd folder
[gaurav@TTNs-MacBook-Pro folder % ls
file.txt      temp.txt
[gaurav@TTNs-MacBook-Pro folder % vim file.txt
[gaurav@TTNs-MacBook-Pro folder % git status
On branch master
Your branch is up to date with 'origin/master'.

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

        modified:   file.txt

no changes added to commit (use "git add" and/or "git commit -a")
[gaurav@TTNs-MacBook-Pro folder % git add .
[gaurav@TTNs-MacBook-Pro folder % git commit -m "changes in master"
[master 4a46d14] changes in master
 1 file changed, 1 insertion(+), 1 deletion(-)
[gaurav@TTNs-MacBook-Pro folder % git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
gaurav@TTNs-MacBook-Pro folder % █
```

16. Try merging and resolve merge conflicts

```
[gaurav@TTNs-MacBook-Pro learn % git branch
* master
  newbranch
[gaurav@TTNs-MacBook-Pro learn % git merge newbranch
CONFLICT (modify/delete): file.txt deleted in HEAD and modified in newbranch. Version newbranch of file.txt left in tree.
Automatic merge failed; fix conflicts and then commit the result.
[gaurav@TTNs-MacBook-Pro learn % git checkout newbranch
file.txt: needs merge
error: you need to resolve your current index first
[gaurav@TTNs-MacBook-Pro learn % ls
file.txt      folder      folder0
[gaurav@TTNs-MacBook-Pro learn % rm file.txt
[gaurav@TTNs-MacBook-Pro learn % git add .
[gaurav@TTNs-MacBook-Pro learn % git commit -m "conflict fixed"
[master 317b46b] conflict fixed
[gaurav@TTNs-MacBook-Pro learn % git checkout master
Already on 'master'
Your branch is ahead of 'origin/master' by 2 commits.
  (use "git push" to publish your local commits)
[gaurav@TTNs-MacBook-Pro learn % git merge newbranch
Already up to date.
[gaurav@TTNs-MacBook-Pro learn % git statis
git: 'statis' is not a git command. See 'git --help'.
```

The most similar command is

```
status
[gaurav@TTNs-MacBook-Pro learn % git status
On branch master
Your branch is ahead of 'origin/master' by 2 commits.
  (use "git push" to publish your local commits)
```

nothing to commit, working tree clean

```
[gaurav@TTNs-MacBook-Pro learn % git log --oneline
317b46b (HEAD -> master) conflict fixed
4a46d14 (origin/master) changes in master
ec46165 (newbranch) changes in newbranch
6fc8fde changes
ca1bc45 sad
39f2069 original edited
f0b4764 copy
feadc8d file edited
75ec516 edit in master branch
1e6fb9b Initial commit
gaurav@TTNs-MacBook-Pro learn % █
```

17. Stash the changes and pop them

```
[gaurav@TTNs-MacBook-Pro test % git stash push
Saved working directory and index state WIP on main: d24762a resolved
[gaurav@TTNs-MacBook-Pro test % git stash pop
On branch main
Your branch is up to date with 'remotes/origin/main'.

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

        modified:   file.txt

no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} (fbe5cc041736d6d3d3a67b4428e83ee7c6d1c87f)
[gaurav@TTNs-MacBook-Pro test %
[gaurav@TTNs-MacBook-Pro test %
[gaurav@TTNs-MacBook-Pro test % git add .
[gaurav@TTNs-MacBook-Pro test % git commit -m "pop"
[main 93b23ec] pop
 1 file changed, 1 insertion(+), 2 deletions(-)
[gaurav@TTNs-MacBook-Pro test % git push
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 234 bytes | 234.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/gauravsgitt/test.git
   d24762a..93b23ec  main -> main
gaurav@TTNs-MacBook-Pro test % █
```

18. Add the following code to your .bashrc file : color_prompt="yes"

```

parse_git_branch() {
git branch 2> /dev/null | sed -e '/^[^*]/d' -e 's/* \(.*/(\1)/'
}
if [ "$color_prompt" = yes ]; then
PS1='\u@\h\[\033[00m\]:\[\033[01;34m\]\W\[\033[01;31m\] $(parse_git_branch)\[\033[00m\]\$ '
else
PS1='\u@\h:\W $(parse_git_branch)\$ '
fi
unset color_prompt force_color_prompt

```

Ans - no such file or directory so made a new file named as .bashrc and added above code using vim command.

vim command - vim <file_name>, then press 'i' for insert. When we are done inserting press 'esc' button and then type ':wq' to successfully save and exit.

```

[gaaurav@TTNs-MacBook-Pro ~ % cat ~/.bashrc
cat: /Users/gaurav/.bashrc: No such file or directory
[gaaurav@TTNs-MacBook-Pro ~ % vim .bashrc
[gaaurav@TTNs-MacBook-Pro ~ % cat .bashrc
color_prompt="yes"
parse_git_branch() {
git branch 2> /dev/null | sed -e '/^[^*]/d' -e 's/* \(.*/(\1)/'
}
if [ "$color_prompt" = yes ]; then
PS1='\u@\h\[\033[00m\]:\[\033[01;34m\]\W\[\033[01;31m\] $(parse_git_branch)\[\033[00m\]\$ '
else
PS1='\u@\h:\W $(parse_git_branch)\$ '
fi
unset color_prompt force_color_prompt
gaaurav@TTNs-MacBook-Pro ~ % █

```