

Surprise Test

1. You again live in your own branch, this time we will be doing a bit of juggling with branches, to show how lightweight branches are in git.

1. Create a branch called greeting and switch to it
2. Edit the greeting.txt to contain your favorite greeting
3. Add greeting.txt files to the staging area
4. Commit
5. Switch back to the master branch
6. Create a file README.md with information about this repository
7. Add the README.md file to staging area and make the commit
8. What is the output of `git log --oneline --graph --all`?
9. Diff the branches
10. Merge the greeting branch into master
11. What is the output of `git log --oneline --graph --all` now? Observe the extra merge commit created with the message "Merge branch 'greeting'".

1) ~~To~~ firstly, we are working currently in the Master branch.

- Here we add the file named greeting and commit the changes.

```
git  
mkdir St  
cd St  
git add vi. greeting.txt
```

Now, we add the file commit the changes

Ans.

1) Create a branch called greeting and switch to it -

```
git checkout -b greeting.
```

2) Now edit the file greeting.txt by going to the editor to edit the file

```
vi. greeting.txt
```

3) Now, add greeting.txt files to staging area by -

```
git add greeting.txt
```

4) Now, Commit all the changes.

```
git commit -m "greeting.txt file edited"
```

5) Switch back to the Master branch by-

```
git branch Master
```

6) Now, in the Master we create the file README.md about the repository.

7) Add the README.md file to staging area by -

```
git add Read README.md
```

8) Now, do Commit the changes-

```
git commit -m "Readme.md file added"
```

9) `git log --oneline --graph --all` gives the output as-

10) Diff the branches

```
git diff master greeting
```

Merge the greeting branch into master

```
git Merge greeting
```

1) Output of `git log --oneline --graph --all`
`git log --oneline --graph --all`

```
Aditis-MacBook-Air:~ aditipandey$ git branch
branch4
* main
  master
Aditis-MacBook-Air:~ aditipandey$ mkdir st
Aditis-MacBook-Air:~ aditipandey$ cd st
Aditis-MacBook-Air:st aditipandey$ vi greeting.txt
Aditis-MacBook-Air:st aditipandey$ git add greeting.txt
Aditis-MacBook-Air:st aditipandey$ git commit -m "committed"
[main 7f0d200] committed
1 file changed, 2 insertions(+)
create mode 100644 st/greeting.txt
```

1. Create a branch called `greeting` and switch to it

```
Aditis-MacBook-Air:st aditipandey$ git checkout -b greeting
Switched to a new branch 'greeting'
```

2. Edit the `greeting.txt` to contain your favorite greeting

```
Aditis-MacBook-Air:st aditipandey$ vi greeting.txt
```

- ### 3. Add greeting.txt files to the staging area

- ## 4. Commit

```
Aditis-MacBook-Air:st aditipandey$ git add greeting.txt
Aditis-MacBook-Air:st aditipandey$ git commit -m "greeting.txt file edited"
[greeting 2f842e0] greeting.txt file edited
 1 file changed, 1 insertion(+), 1 deletion(-)
```

- ## 5. Switch back to the master branch

```
Aditis-MacBook-Air:st aditipandey$ git checkout main
Switched to branch 'main'
Aditis-MacBook-Air:st aditipandey$
```

6. Create a file README.md with information about this repository.

[illegible]

7. Add the README.md file to staging area and make the commit

```
Aditis-MacBook-Air:st aditipandey$ vi README.md
Aditis-MacBook-Air:st aditipandey$ git add README.md
Aditis-MacBook-Air:st aditipandey$ git commit -m "README.md ADDED"
[main 6b09fbf] README.md ADDED
 1 file changed, 1 insertion(+)
 create mode 100644 st/README.md
Aditis-MacBook-Air:st aditipandey$
```

8. What is the output of git log --oneline --graph --all?

```
Aditis-MacBook-Air:st aditipandey$ git log --oneline --graph --all
* 6b09fbf (HEAD -> main) README.md ADDED
| * 2f842e0 (greeting) greeting.txt file edited
|/
* 7f0d200 committed
* b1986ee committed
* c816e31 hello
| * 3d28b40 (master) okk
|/
* 370e511 committed
| * 303edfa (branch4) f5 committed
| * 97d390f (origin/branch4, master/branch4) updated
|/
* e75b5c5 (origin/master) Updated example.txt with new content
* 556f69a hello
Aditis-MacBook-Air:st aditipandey$
```

9. Git diff

```

Aditis-MacBook-Air:st aditipandey$ git diff main greeting
diff --git a/st/README.MD b/st/README.MD
deleted file mode 100644
index 3551bbe..0000000
--- a/st/README.MD
+++ /dev/null
@@ -1,0,0 @@
-In this repository , we are working in greeting do the some change and compare to the th
e main branch.
diff --git a/st/greeting.txt b/st/greeting.txt
index 0b26a30..6eb5f19 100644
--- a/st/greeting.txt
+++ b/st/greeting.txt
@@ -1,2 +1,2 @@
 hello ,this is my surprise text.
-
+here we do some chsnge in the greeting file.
Aditis-MacBook-Air:st aditipandey$

```

10. Merge the greeting branch into master

```

Aditis-MacBook-Air:st aditipandey$ git merge greeting
subl -n -w: subl: command not found
error: There was a problem with the editor 'subl -n -w'.
Not committing merge; use 'git commit' to complete the merge.

```

11. What is the output of `git log --oneline --graph --all` now? Observe the extra merge commit created with the message "Merge branch 'greeting'".

```

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* 6b09fbf (HEAD -> main) README.MD ADDED
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* b1986ee committed
* c816e31 hello
| * 3d28b40 (master) okk
|/
* 370e511 committed
| * 303edfa (branch4) f5 committed
| * 97d390f (origin/branch4, master/branch4) updated
|/
* e75b5c5 (origin/master) Updated example.txt with new content
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Aditis-MacBook-Air:st aditipandey$

```