Assignment #1.3

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1.Create a new git repository in a local directory.

```
muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint: git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint: git branch -m <name>
Initialized empty Git repository in /home/muhammadfaizanrafique/Assignment3/.git/
```

2.Create an empty file "numbers.txt" and commit it to the current ("main" or "master") branch.

```
muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ touch numbers.txt
muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git add .
muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git commit -m "from master"
[master (root-commit) c5d73ae] from master
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 numbers.txt
```

3. Create two new branches: "odd" and "even".

```
    muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git branch odd
    muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git branch even
```

4. Switch to the "odd" branch.

```
• muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git checkout odd
Switched to branch 'odd'
```

5.Edit the "numbers.txt" file by adding some odd numbers, then commit the change.

```
muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ xdg-open numbers.txt
muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git add .
muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git commit -m "from odd"
[odd dcc4d03] from odd
1 file changed, 1 insertion(+)
muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git checkout master
Switched to branch 'master'
```

6. Switch to the "even" branch.

```
• muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git checkout even
Switched to branch 'even'
```

7. Edit the "numbers.txt" file by adding some even numbers, then commit the change.

```
    muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ xdg-open numbers.txt
    muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git add .
    muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git commit -m "from even" [even 1b71519] from even
    1 file changed, 1 insertion(+)
```

8. Switch to the main branch.

```
• muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git checkout master
Switched to branch 'master'
```

9.Merge the "odd" branch to the current one.

```
muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git merge odd
Updating c5d73ae..dcc4d03
Fast-forward
numbers.txt | 1 +
1 file changed, 1 insertion(+)
```

10.Try to merge the "even" branch too - it should cause a conflict.

```
  muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git merge even
  Auto-merging numbers.txt
  CONFLICT (content): Merge conflict in numbers.txt
  Automatic merge failed; fix conflicts and then commit the result.
```

11. Resolve the conflict by combining all the numbers and commit the merge.

```
    muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ xdg-open numbers.txt
    muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git add .
    muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git commit -m "from master" [master 394b572] from master
    muhammadfaizanrafique@all-MS-7D35:~/Assignment3$ git merge even Already up to date.
```

List the commits using git log -p command and save the output in a file.

muhammadfaizanrafique@all-MS-7D35:~/Assignment3\$ git log -p >> log.txt
 muhammadfaizanrafique@all-MS-7D35:~/Assignment3\$ ls







