

UNIT 1.3 ASSIGNMENT

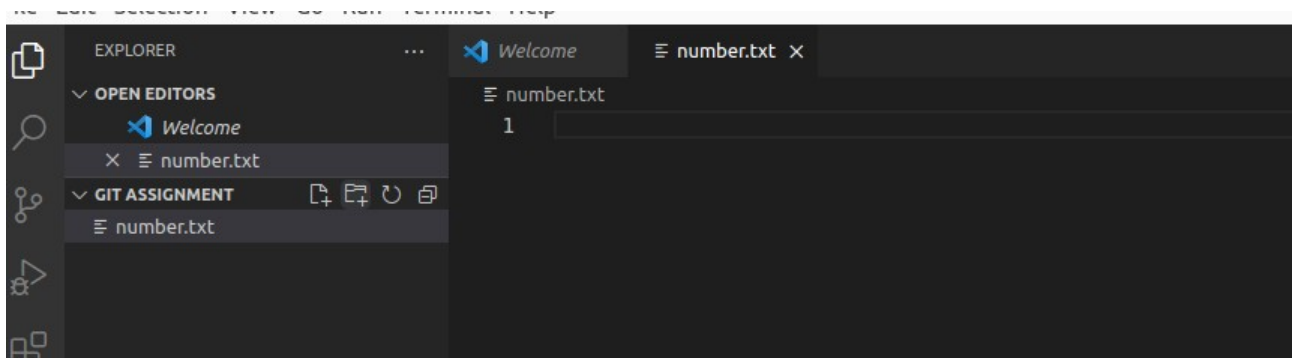
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1. Create a new git repository in a local directory.

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
● muhammadmoizkhan@all-MS-7D35:~/git assignment$ 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/muhammadmoizkhan/git assignment/.git/
```

```
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/muhammadmoizkhan/git assignment/.git/
● muhammadmoizkhan@all-MS-7D35:~/git assignment$ git add .
● muhammadmoizkhan@all-MS-7D35:~/git assignment$ git commit -m 'committing the txt file'
[master (root-commit) 0f346dd] committing the txt file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 number.txt
● muhammadmoizkhan@all-MS-7D35:~/git assignment$
```

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



3. Create two new branches: “odd” and “even”.

```
create mode 100644 number.txt
● muhammadmoizkhan@all-MS-7D35:~/git assignment$ git branch odd
● muhammadmoizkhan@all-MS-7D35:~/git assignment$ git branch even
○ muhammadmoizkhan@all-MS-7D35:~/git assignment$
```

4. Switch to the “odd” branch.

```
● muhammadmoizkhan@all-MS-7D35:~/git assignment$ git checkout odd
Switched to branch 'odd'
```

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

```
number.txt
1 1 3 5 7 9

Switched to branch 'odd'
● muhmmadmoizkhan@all-MS-7D35:~/git assignment$ git add .
● muhmmadmoizkhan@all-MS-7D35:~/git assignment$ git commit -m 'adding odd numbers'
[odd d61c5dd] adding odd numbers
1 file changed, 1 insertion(+)
● muhmmadmoizkhan@all-MS-7D35:~/git assignment$
```

6. Switch to the “even” branch.

```
● muhmmadmoizkhan@all-MS-7D35:~/git assignment$ git checkout even
Switched to branch 'even'
```

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

```
nothing to commit, working tree clean
● muhmmadmoizkhan@all-MS-7D35:~/git assignment$ git add .
● muhmmadmoizkhan@all-MS-7D35:~/git assignment$ git commit -m 'adding even numbers'
[even 0b20643] adding even numbers
1 file changed, 1 insertion(+)
● muhmmadmoizkhan@all-MS-7D35:~/git assignment$
```

```
Welcome  number.txt x
number.txt
1 2 4 6 8 10
```

8. Switch to the main branch.

9. Merge the “odd” branch to the current one.

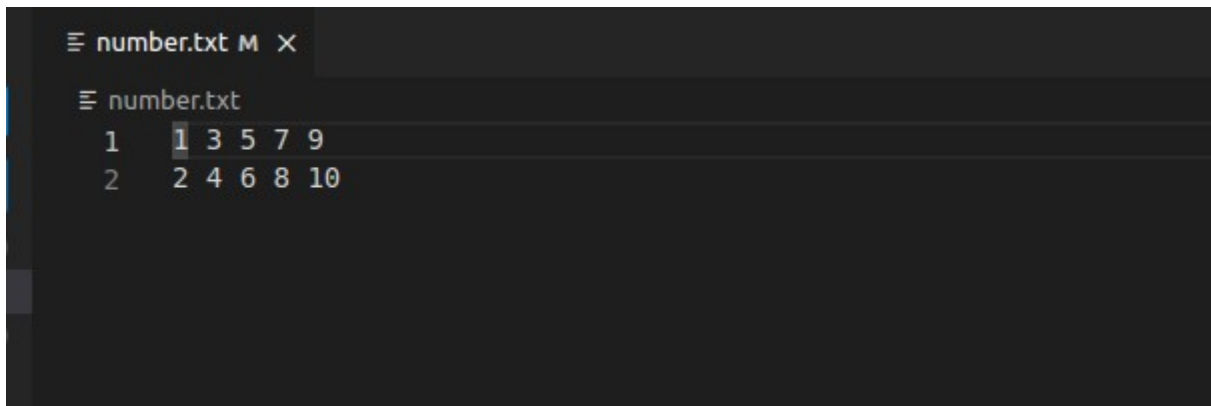
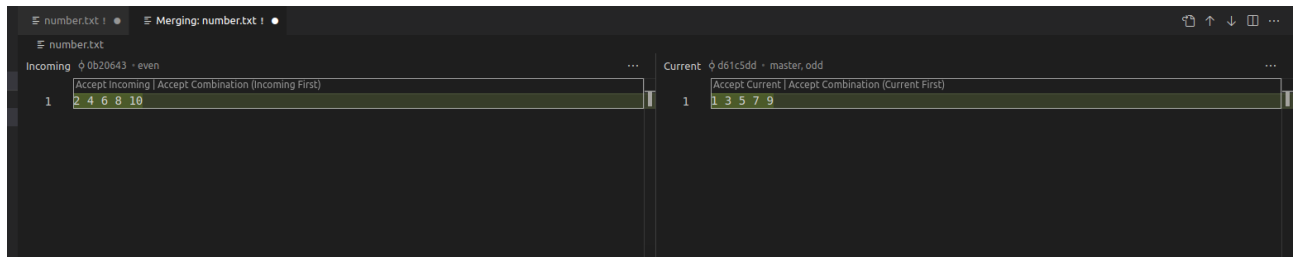
```
Switched to branch 'master'
● muhmmadmoizkhan@all-MS-7D35:~/git assignment$ git merge odd
Updating 0f346dd..d61c5dd
Fast-forward
 number.txt | 1 +
1 file changed, 1 insertion(+)

```

10. Try to merge the “even” branch too – it should cause a conflict.

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

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



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

