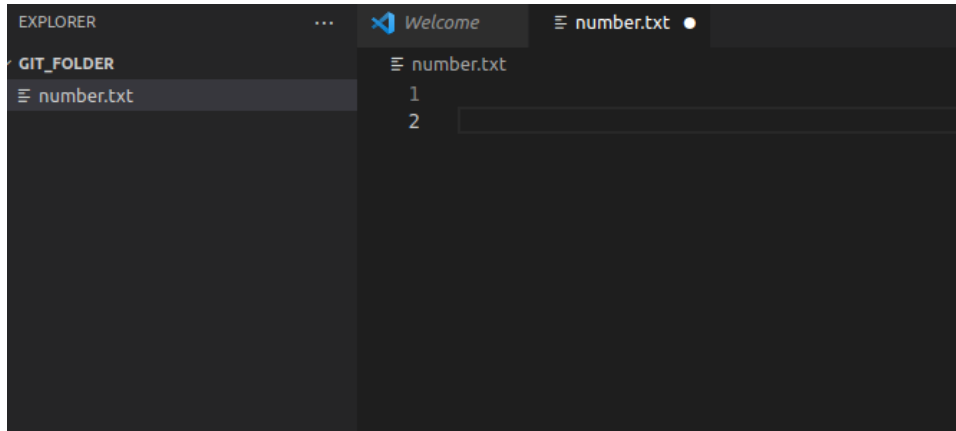Name : Huzaifa Ali (2303.KHI.DEG.016)

Partner Name: Muhammad Safi (2303.KHI.DEG.023)

1.create new git repository in local directory.

2.committing empty file

3. creating odd and even branches

4.switched to odd.

5. added odd numbers in odd branch.
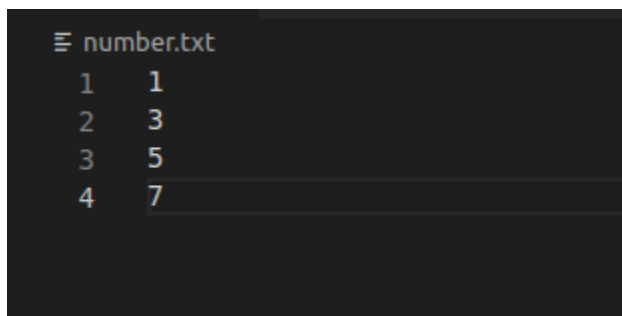
6. committed odd branch.

```
Switched to branch 'odd'
▶ (base) huziafaali@all-MS-7D35:~/git_folder$ git add .
▶ (base) huziafaali@all-MS-7D35:~/git_folder$ git commit -m 'adding in odd'
 [odd e43be3c] adding in odd
```

7.checkout to even branch and added and committed even numbers.

```
 1   2
 2   4
 3   6
 4   8

all-MS-7D35:~/git_folder$ git checkout even
 'even'
all-MS-7D35:~/git_folder$ git add .
all-MS-7D35:~/git_folder$ git commit -m  'adding indeven'

working tree clean
```

8. checkout to master branch and merged odd.

```
▶ (base) huziafaali@all-MS-7D35:~/git_folder$ git checkout master
 Switched to branch 'master'
▶ (base) huziafaali@all-MS-7D35:~/git_folder$ git merge odd
 Updating cb89680..e43be3c
 Fast-forward
  number.txt | 6 ++++++
  1 file changed, 6 insertions(+)
```

9. Tried merging even in the same master branch and raised conflicts, resolved in vs code editor.

```
Accept Current Change | Accept Incoming Change | Accept Both Changes | Compare Changes
 1   <<<<<<< HEAD (Current Change)
 2   1
 3   3
 4   5
 5   7
 6   9
 7
 8   =======
 9   2
10   4
11   6
12   8
13   >>>>>>> even (Incoming Change)
14
```

10.final state of branch after merge of even and odd in master.

```
 1   1
 2   3
 3   5
 4   7
 5   9
 6
 7   2
 8   4
 9   6
10   8
11
```

```
 (base) huziafaali@all-MS-7D35:~/git_folder$ 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. GIT LOG REPORT:

```
muhammadsafi@all-MS-7D35:~/git_assignment$ git log --oneline
300bdbf (HEAD -> master) Merge branch 'even'
3dfb567 (even) even numbers added in even branch
c753e03 (odd) odd numbers added in odd branch
a866a53 first commit
muhammadsafi@all-MS-7D35:~/git_assignment$
```