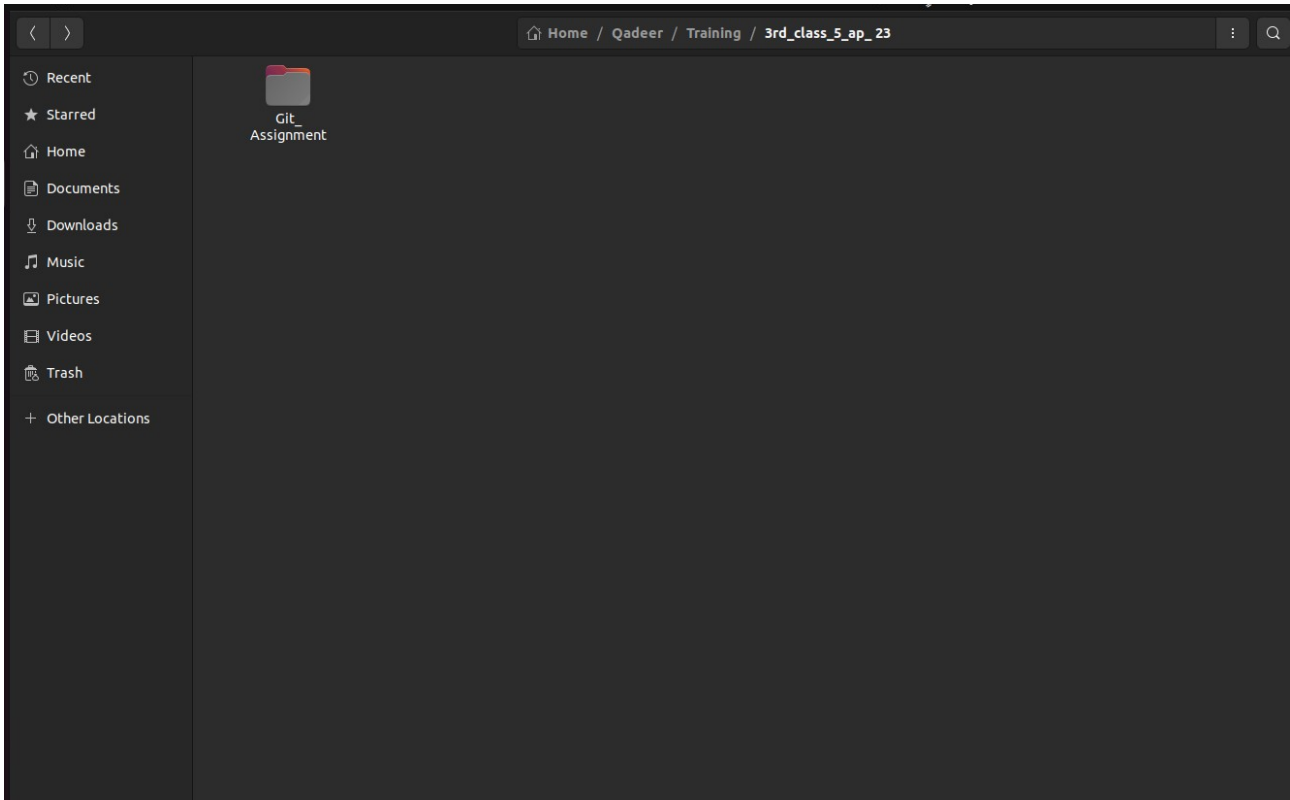


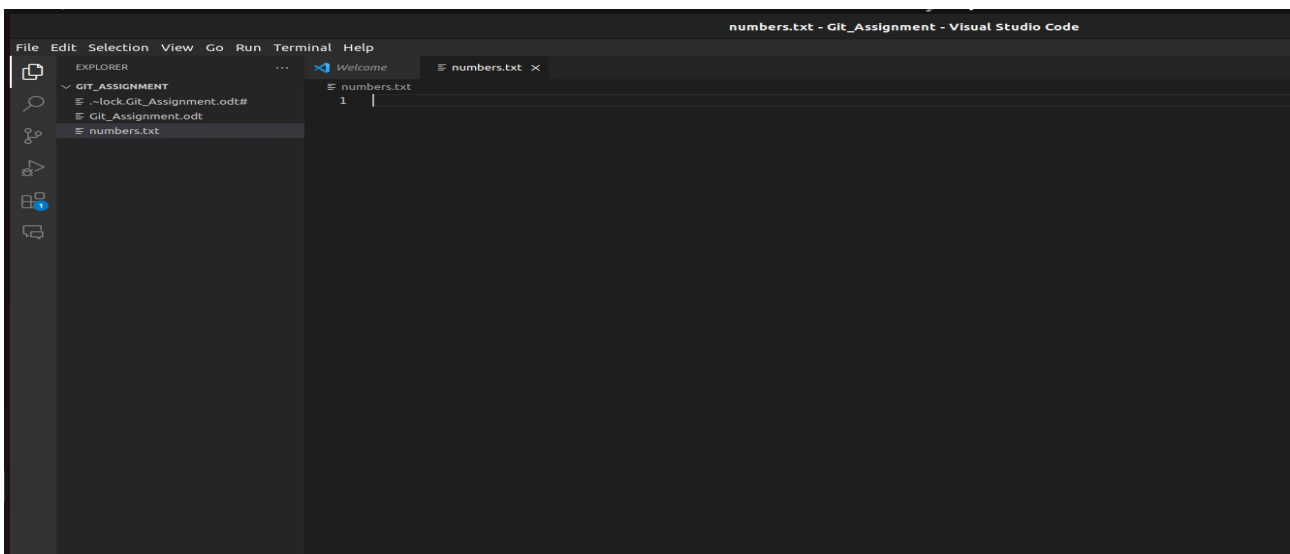
Name : Qadeer Hussain  
Roll No : 2303.KHI.DEG.006

### **Git Assignment:**

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



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



```

qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$ git add .
qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$ git commit -m 'first commit'
[master (root-commit) 7c7c56c] first commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 numbers.txt
qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$

```

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

```

qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$ git branch odd
qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$ git branch even
qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$ git status
On branch master
nothing to commit, working tree clean
qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$ git branch
  even
* master
  odd
qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$

```

4. Switch to the “odd” branch.

```

qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$ git checkout odd
Switched to branch 'odd'
qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$

```

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

```

Welcome  numbers.txt x
numbers.txt
1  1,3,5,7,9,11,13,15,17,19,21,23,25,37

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL
qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$ git add .
qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$ git commit -m 'add some odd numbers'
[odd 8a183ec] add some odd numbers
1 file changed, 1 insertion(+)
qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$

```

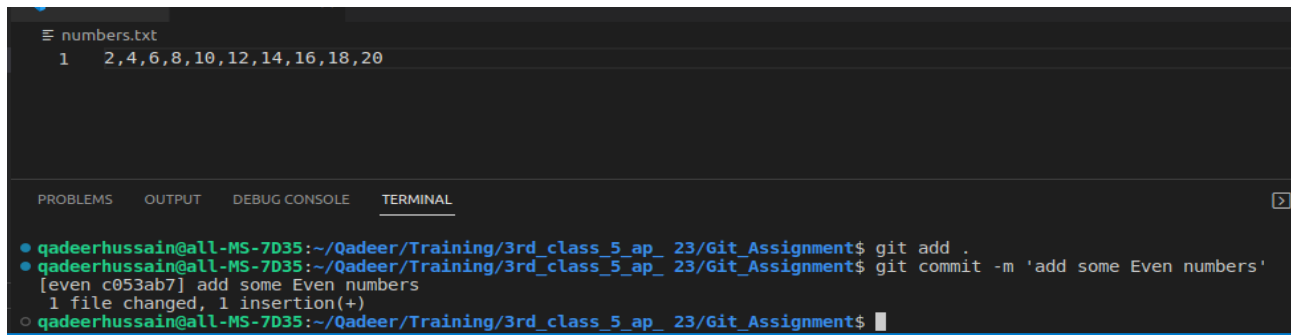
6. Switch to the “even” branch.

```

[odd 8a183ec] add some odd numbers
1 file changed, 1 insertion(+)
qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$ git checkout even
Switched to branch 'even'
qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$

```

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

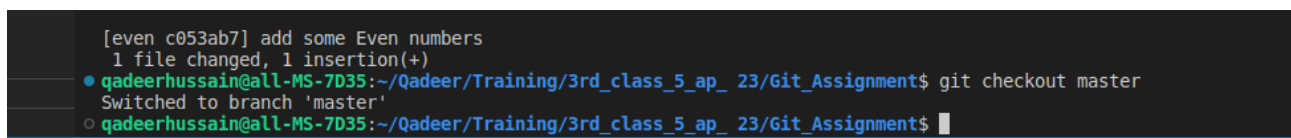


```
numbers.txt
1 2,4,6,8,10,12,14,16,18,20

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

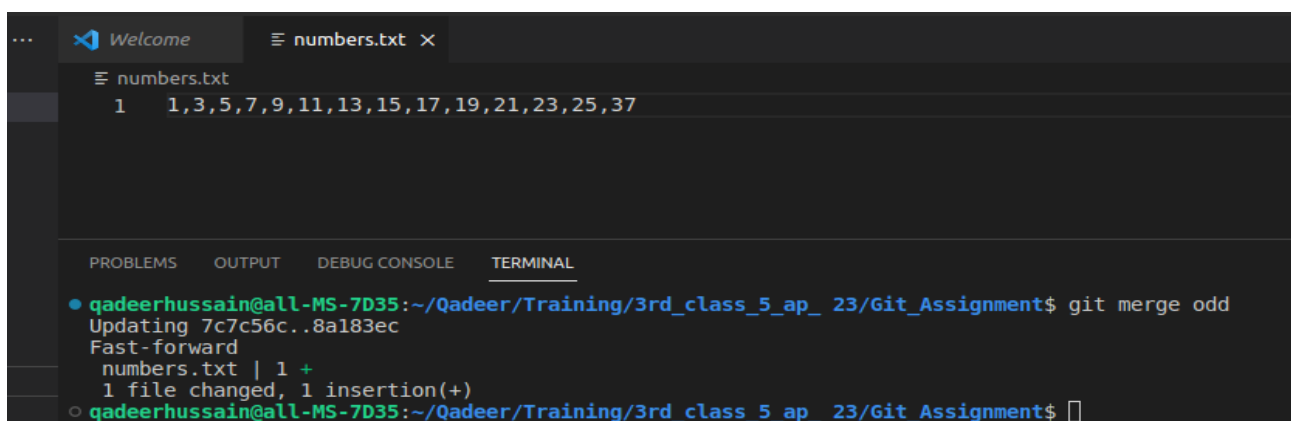
● qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$ git add .
● qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$ git commit -m 'add some Even numbers'
[even c053ab7] add some Even numbers
1 file changed, 1 insertion(+)
○ qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$
```

8. Switch to the main branch.



```
[even c053ab7] add some Even numbers
1 file changed, 1 insertion(+)
● qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$ git checkout master
Switched to branch 'master'
○ qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$
```

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

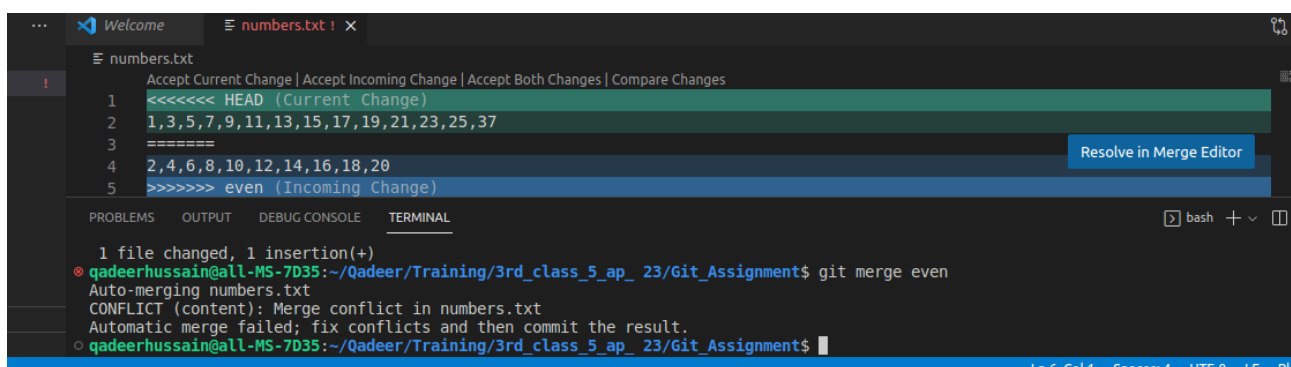


```
Welcome numbers.txt
1 1,3,5,7,9,11,13,15,17,19,21,23,25,37

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

● qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$ git merge odd
Updating 7c7c56c..8a183ec
Fast-forward
 numbers.txt | 1 +
1 file changed, 1 insertion(+)
○ qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$
```

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



```
Welcome numbers.txt
Accept Current Change | Accept Incoming Change | Accept Both Changes | Compare Changes
1 <<<<<< HEAD (Current Change)
2 1,3,5,7,9,11,13,15,17,19,21,23,25,37
3 =====
4 2,4,6,8,10,12,14,16,18,20
5 >>>>>> even (Incoming Change)
Resolve in Merge Editor

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1 file changed, 1 insertion(+)
● qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$ git merge even
Auto-merging numbers.txt
CONFLICT (content): Merge conflict in numbers.txt
Automatic merge failed; fix conflicts and then commit the result.
○ qadeerhussain@all-MS-7D35:~/Qadeer/Training/3rd_class_5_ap_23/Git_Assignment$
```

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

