2. Create two additional test branches in your project, each of which is branched directly from <i>master</i> . For each of the following cases, write the command and the corresponding output message of Git, in Markdown language in a readme.md file inside your homework/1/ folder in your master branch. If you don't have this folder in your project, then create the folder and then place your initial readme.md file in this folder with your signature as the content of the file. Then stage and commit this file together with homework-1 folder to your local repository. Throughout the rest of this homework, you will fill this readme.md file with your answers.
(A) Create two branches, both from your <i>master</i> branch , with names <i>test1</i> and <i>test2</i> .
"bash
git branch test1 git branch test2
(B) Now checkout the <i>test1</i> branch and create a new text file named test.txt in the homework/1/ directory of this branch.
"bash
git checkout test1 vim test.txt
···
(C) Inside test.txt in <i>test1</i> branch write this message: <i>This is some example text for branch test1</i> , and save it.
"bash
this is some example text for branch test1
:wq
···
(D) Now stage and commit test.txt file to branch test1.
"bash
git addall
git commit

(E) Checkout the branch <i>test2</i> . Do you still see test.txt that you just created in your homework/1/ directory? You can search for it by the <i>bash</i> command 1s. Explain why you see/don't see the file in your working directory anymore.
it was made in a different parallel branch, if it were in the master branch it would be visible.
(E) Create a pour text file poured to the limited t
(F) Create a new text file named test.txt in the homework/1/ directory of this branch as well, and add <i>This is some example text for branch test2</i> to its content.
```bash
vim test.txt This is some example text for branch test2
(G) Now try to checkout <i>test1</i> . What error/warning message do you get? Fix the source of error and then checkout <i>test1</i> branch.
error: The following untracked working tree files would be overwritten by checkout: Homework/1/test.txt
Please move or remove them before you switch branches.
Aborting
```bash
git addall git commit -m"commiting test2 branch changes"
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
(H) Now merge the content of <i>test1</i> with <i>master</i> branch. (Hint: Note from which branch you doing this merge!)
```bash
git checkout master git merge test1
···

(I) Now what do you see as the content of master branch? (Hint: Use 1s bashcommand, to list the files in the working directory.) readme.md test.txt (J) Now merge the content of test2 with master branch. What error/warning message do you get? Why does this error arise? Auto-merging Homework/1/test.txt CONFLICT (add/add): Merge conflict in Homework/1/test.txt ```bash git merge test2 both branches test1 and test2 contain files test.txt- in order to merge they must not overlap (K) Now chekcout test2. What error/warning message do you get? Homework/1/test.txt: needs merge error: you need to resolve your current index first (L) Run the Git command git status. Why does such a conflict exist, as mentioned in git status output? test.txt has not been merged. (You have unmerged paths. (fix conflicts and run "git commit") (use "git merge --abort" to abort the merge) Unmerged paths: (use "git add <file>..." to mark resolution)

both added:

test.txt)

(M) At this stage, you have two options: Either 1. stage and commit the combined
conlifting test.txt file to Git repository (but this is not recommended), or, 2. open the
file test.txt using vim editor on the command line and reslve the conflict by editing the content of
the file to only this sentence: . Then save and quit *vim.

```bash vim test.txt

deleted the second sentence and git notes that were inserted

(N) Now, run git status, then stage and commit your conflict-resolved file. Then checkout *test2* branch.

"bash

git status git add ——all git commit git checkout test2

(O) Now, try deleting branch test1, while on branch test2. What error/warning message do you get?

error: The branch 'test1' is not fully merged.

(P) Now, switch back to *master* branch. Now, try deleting branch *test1*, while on *master* branch. What message do you get from Git? List all the existing branches using git branch command.

Deleted branch test1 (was 7fd7916).
\* master
 test2

(Q) Why is there such a difference in Git messages between when you tried deleting *test1* branch from *test2* branch, and when you tried deleting *test1* branch from *master* branch?

test1 and test2 branches are not connected. master contains both branches. master has been merged with the test branches while the test branches have not been merged together

(R) Now checkout *test2* branch. While on *test2*, try to delete branch *test2*. What error/message do you get?

"bash

```
error: Cannot delete branch 'test2' checked out at '/Users/Brent/Documents/git/ICP2017F' ...
```

(S) Switch back to *master* and delete *test2* branch. List all your project branches by the appropriate Git command.

```
"bash
git branch -d test2
""
git branch
```

(T) Stage and commit all the changes (including the file test.txt) to your project's *master* branch.

Now push it all to the remote repository by Wednesday Feb 15 2017, 9:00 a.m. CDT.

```
""bash
```

\* master

```
git add —all
git commit
git push ——all
...
```