Sample Git branch trivia question

I start a git repository and run some commands to get the following trace:

```
kiera:t dellswor$ git branch -a
* master
kiera:t dellswor$ ls -l
total 0
-rw-r--r--  1 dellswor  staff  0 Mar 13 19:22 README.txt
kiera:t dellswor$ git branch f1
kiera:t dellswor$ git checkout f1
Switched to branch 'f1'
kiera:t dellswor$
```

If I next run the ls command, should I expect to see README.txt in the listing? Why or why not?

I continue to work in the repository:

```
kiera:t dellswor$ echo "feature code" > f1.code
kiera:t dellswor$ git add f1.code
kiera:t dellswor$ git commit -am "Added feature 1 code to repo"
[f1 532454e] Added feature 1 code to repo
 1 file changed, 1 insertion(+)
 create mode 100644 f1.code
kiera:t dellswor$ git checkout master
Switched to branch 'master'
kiera:t dellswor$
```

If I next run the ls command, should I expect to see f1.code in the list? Why or why not?

If I next run the command git merge f1, should I expect a merge conflict or other error? Why or why not?

I continue to work in the repository:

```
kiera:t dellswor$ git branch f2
kiera:t dellswor$ git checkout f2
Switched to branch 'f2'
kiera:t dellswor$ echo "added feature 2 code to repo" > f2.code
kiera:t dellswor$ git add f2.code
kiera:t dellswor$ git commit -am "Added feature 2 code to repo"
[f2 f36472b] Added feature 2 code to repo
 1 file changed, 1 insertion(+)
 create mode 100644 f2.code
kiera:t dellswor$ git checkout master
Switched to branch 'master'
kiera:t dellswor$ echo "added feature 2 code to repo" > f2.code
kiera:t dellswor$
```

If I next run the command git merge f2, should I expect a merge conflict or other error? Why or why not?