

Module-2: GIT Assignment - 4

You have been asked to:

- Put master.txt on master branch, stage and commit
- Create 3 branches: public1, public2 and private
- Put public1.txt on public 1 branch, stage and commit
- Merge public 1 on master branch
- Merge public 2 on master branch
- Edit master.txt on private branch, stage and commit
- Now update branch public 1 and public 2 with new master code in private
- Also update new master code on master
- Finally update all the code on the private branch

Solution:

Put master.txt on master branch, stage and commit

- 1) Switch to master branch -----git checkout master
- 2) Create file -----touch master.txt
- 3) Stage -----git add master.txt
- 4) Commit -----git commit -m "Add master.txt file"

```
git $git checkout master
Already on 'master'
git $touch master.txt
git $git add master.txt
git $git commit -m "Add master.txt file"
[master aba4478] Add master.txt file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 master.txt
git $
```

Create 3 branches: public1, public2 and private

- 1) Create and switch to public1 branch----- git checkout -b public1
- 2) Create and switch to public2 branch -----git checkout -b public2
- 3) Create and switch to private branch -----git checkout -b private

```
git $git checkout -b public1
Switched to a new branch 'public1'
git $git checkout -b public2
Switched to a new branch 'public2'
git $git checkout -b private
Switched to a new branch 'private'
git $
```

Put public1.txt on public 1 branch, stage and commit

- 1) Switch to public1 branch -----git checkout public1

- 2) Create the file -----touch public1.txt
- 3) Stage -----git add public1.txt
- 4) git commit -m "Add public1.txt file"

```
git $git checkout public1
Switched to branch 'public1'
git $touch public1.txt
git $git add public1.txt
git $git commit -m "Add public1.txt file"
[public1 39cce6b] Add public1.txt file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 public1.txt
git $
```

Merge public 1 on master branch

- 1) switch to master branch ----- git checkout master
- 2) merge public1 -----git merge public1

```
git $git checkout master
Switched to branch 'master'
git $git merge public1
Updating aba4478..39cce6b
Fast-forward
 public1.txt | 0
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 public1.txt
git $
```

Merge public 2 on master branch

- 1) switch to master branch ----- git checkout master
- 2) merge public1 -----git merge public2

```
git $git merge public2
Already up to date.
git $
```

Edit master.txt on private branch, stage and commit

- 1) switch to private branch -----git checkout private
- 2) edit the master.txt ----- echo "Additional content in master.txt from private branch." >> master.txt
- 3) stage -----git add master.txt
- 4) commit -----git commit -m "Edit master.txt file on private branch"

```
git $git checkout private
Switched to branch 'private'
git $echo "Additional content in master.txt from private branch." >> mas
ter.txt
git $git add master.txt
warning: in the working copy of 'master.txt', LF will be replaced by CRL
F the next time Git touches it
git $git commit -m "Edit master.txt file on private branch"
[private 4f91044] Edit master.txt file on private branch
1 file changed, 1 insertion(+)
git $
```

Now update branch public 1 and public 2 with new master code in private

Update public1 with private

- a) switch to public1 branch -----git checkout public1

b) merge the changes ----- git merge private

```
# Resolve any conflicts if prompted, then stage and commit the resolved changes.
```

```
Merge made by the 'ort' strategy.
master.txt | 1 +
1 file changed, 1 insertion(+)
git $
```

Update public2 with private

a) switch to public2 branch -----git checkout public2

b) merge the changes ----- git merge private

```
git $git checkout public2
Switched to branch 'public2'
git $git merge private
```

```
git $git merge private
Updating aba4478..4f91044
Fast-forward
 master.txt | 1 +
 1 file changed, 1 insertion(+)
git $
```

Also update new master code on master

1) switch to master -----git checkout master

2) merge the changes -----git merge private

```
# Resolve any conflicts if prompted, then stage and commit the resolved changes.
```

[illegible]

```
Merge made by the 'ort' strategy.
master.txt | 1 +
1 file changed, 1 insertion(+)
git $
```

Finally update all the code on the private branch

- 1) switch to private branch ----- git checkout private
- 2) merge with master -----git merge master
- 3) merge with public 1 branch -----git merge public1
- 4) merge with public2 branch -----git merge public2

```
Merge made by the 'ort' strategy.
git $git merge public2
Already up to date.
git $git log
commit 203631a54186d097c7aa69d03222d51b6a3ddd1 (HEAD -> private)
Merge: b67b937 4021e7e
Author: poulomi <priyanka27.c@gmail.com>
Date: Tue Jan 21 00:22:16 2025 +0530

    this is Merge branch 'public1' into private

commit b67b937bbbd29c1662211263f52ab43ee7eff9a0 (master)
Merge: 39cce6b 4f91044
Author: poulomi <priyanka27.c@gmail.com>
Date: Tue Jan 21 00:14:48 2025 +0530

    this is a Merge branch 'private'

commit 4021e7ea5b130b500c61156308d99f96e9b25ed8 (public1)
Merge: 39cce6b 4f91044
Author: poulomi <priyanka27.c@gmail.com>
Date: Tue Jan 21 00:08:32 2025 +0530
```