1. Put master.txt on Master Branch, Stage, and Commit

touch master.txt

git add master.txt

git commit -m "Add master.txt to master branch"

2. Create 3 Branches: public 1, public 2, and private

git branch "public 1"

git branch "public 2"

git branch private

3. Put public1.txt on public 1 Branch, Stage, and Commit

git checkout "public 1"

touch public1.txt

git add public1.txt

git commit -m "Add public1.txt to public 1 branch"

4. Merge public 1 on Master Branch

git checkout master

git merge "public 1"

5. Merge public 2 on Master Branch

git merge "public 2"

6. Edit master.txt on private Branch, Stage, and Commit

git checkout private

echo "Changes in private branch" >> master.txt

git add master.txt

git commit -m "Edit master.txt in private branch"

7. Update Branch public 1 and public 2 with New Master Code in private

First, merge the master branch into public 1 and public 2:

git checkout "public 1"

git merge master

git commit -m "Update public 1 with new master code"

git checkout "public 2"

git merge master

git commit -m "Update public 2 with new master code"

Then, merge these updated branches into the private branch:

git checkout private

git merge "public 1"

git merge "public 2"

git commit -m "Update private with new public 1 and public 2 code"

8. Also Update New Master Code on Master

git checkout master

git merge private

9. Finally, Update All the Code on the private Branch

git checkout private

git merge master

Summary of Git Commands:

- **touch master.txt**
- **git add master.txt**
- **git commit -m "Add master.txt to master branch"**
- **git branch "public 1"**
- **git branch "public 2"**
- **git branch private**
- **git checkout "public 1"**
- **touch public1.txt**
- **git add public1.txt**
- **git commit -m "Add public1.txt to public 1 branch"**
- **git checkout master**
- **git merge "public 1"**
- **git merge "public 2"**
- **git checkout private**
- **echo "Changes in private branch" >> master.txt**
- **git add master.txt**
- **git commit -m "Edit master.txt in private branch"**
- **git checkout "public 1"**
- **git merge master**
- **git commit -m "Update public 1 with new master code"**
- **git checkout "public 2"**
- **git merge master**
- **git commit -m "Update public 2 with new master code"**
- **git checkout private**
- **git merge "public 1"**

- **git merge "public 2"**
- **git commit -m "Update private with new public 1 and public 2 code"**
- **git checkout master**
- **git merge private**
- **git checkout private**
- **git merge master**