

Module 2: Git Assignment - 4

Tasks To Be Performed:

1. Put master.txt on master branch, stage and commit
2. Create 3 branches: public 1, public 2 and private
3. Put public1.txt on public 1 branch, stage and commit
4. Merge public 1 on master branch
5. Merge public 2 on master branch
6. Edit master.txt on private branch, stage and commit
7. Now update branch public 1 and public 2 with new master code in private
8. Also update new master code on master
9. Finally update all the code on the private branch

Answer:

1. Put master.txt on master branch, stage and commit



```
aws Services Search [Alt+S]
See https://ubuntu.com/esm or run: sudo pro status

Last login: Thu May 30 04:00:01 2024 from 13.233.177.4
ubuntu@ip-172-31-6-136:~$ ls
assignment4
ubuntu@ip-172-31-6-136:~$ cd assignment4
ubuntu@ip-172-31-6-136:~/assignment4$ touch master.txt
ubuntu@ip-172-31-6-136:~/assignment4$ git add .
ubuntu@ip-172-31-6-136:~/assignment4$ git commit -m 'master'
[master (root-commit) 583a136] master
Committer: Ubuntu <ubuntu@ip-172-31-6-136.ap-south-1.compute.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 master.txt
ubuntu@ip-172-31-6-136:~/assignment4$
```

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

```
ubuntu@ip-172-31-6-136:~/assignment4$ git branch public1
ubuntu@ip-172-31-6-136:~/assignment4$ git branch public2
ubuntu@ip-172-31-6-136:~/assignment4$ git branch private
ubuntu@ip-172-31-6-136:~/assignment4$ git branch
* master
  private
  public1
  public2
ubuntu@ip-172-31-6-136:~/assignment4$
```

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

```
ubuntu@ip-172-31-6-136:~/assignment4$ git checkout public1
Switched to branch 'public1'
ubuntu@ip-172-31-6-136:~/assignment4$ touch public1.txt
ubuntu@ip-172-31-6-136:~/assignment4$ git add .
ubuntu@ip-172-31-6-136:~/assignment4$ git commit -m 'public1'
[public1 c77b3f2] public1
Committer: Ubuntu <ubuntu@ip-172-31-6-136.ap-south-1.compute.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 public1.txt
ubuntu@ip-172-31-6-136:~/assignment4$ ls
master.txt  public1.txt
```

4. Merge public 1 on master branch

```
ubuntu@ip-172-31-6-136:~/assignment4$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-31-6-136:~/assignment4$ git branch -m main
ubuntu@ip-172-31-6-136:~/assignment4$ git branch
* main
  private
  public1
  public2
ubuntu@ip-172-31-6-136:~/assignment4$ ls
master.txt
ubuntu@ip-172-31-6-136:~/assignment4$ git merge public1
Updating 583a136..c77b3f2
Fast-forward
 public1.txt | 0
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 public1.txt
ubuntu@ip-172-31-6-136:~/assignment4$
```

5. Merge public 2 on master branch

```
ubuntu@ip-172-31-6-136:~/assignment4$ git merge public2
Already up to date.
ubuntu@ip-172-31-6-136:~/assignment4$
```

6. Edit master.txt on private branch, stage and commit

```

ubuntu@ip-172-31-6-136:~/assignment4$ git checkout private
Switched to branch 'private'
ubuntu@ip-172-31-6-136:~/assignment4$ cat master.txt
master.txt
ubuntu@ip-172-31-6-136:~/assignment4$ ls
master.txt
ubuntu@ip-172-31-6-136:~/assignment4$ nano master.txt
ubuntu@ip-172-31-6-136:~/assignment4$ echo master.txt
master.txt
ubuntu@ip-172-31-6-136:~/assignment4$ cat master.txt
This is edited master.txt in the private branch
ubuntu@ip-172-31-6-136:~/assignment4$ git add .
ubuntu@ip-172-31-6-136:~/assignment4$ git commit -m 'edited master'
[private f98bba7] edited master
Committer: Ubuntu <ubuntu@ip-172-31-6-136.ap-south-1.compute.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 1 insertion(+)
ubuntu@ip-172-31-6-136:~/assignment4$

```

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

```

ubuntu@ip-172-31-6-136:~/assignment4$ git checkout public1
Switched to branch 'public1'
ubuntu@ip-172-31-6-136:~/assignment4$ git merge private
Merge made by the 'ort' strategy.
 master.txt | 1 +
 1 file changed, 1 insertion(+)
ubuntu@ip-172-31-6-136:~/assignment4$ cat master.txt
This is edited master.txt in the private branch
ubuntu@ip-172-31-6-136:~/assignment4$ git checkout public2
Switched to branch 'public2'
ubuntu@ip-172-31-6-136:~/assignment4$ git merge private
Updating 583a136..f98bba7
Fast-forward
 master.txt | 1 +
 1 file changed, 1 insertion(+)
ubuntu@ip-172-31-6-136:~/assignment4$ cat master.txt
This is edited master.txt in the private branch
ubuntu@ip-172-31-6-136:~/assignment4$

```

8. Also update new master code on master

```

aws  Services  Q Search  [Alt+S]
ubuntu@ip-172-31-6-136:~/assignment4$ git checkout main
Switched to branch 'main'
ubuntu@ip-172-31-6-136:~/assignment4$ git merge private
Merge made by the 'ort' strategy.
 master.txt | 1 +
 1 file changed, 1 insertion(+)
ubuntu@ip-172-31-6-136:~/assignment4$ cat master.txt
This is edited master.txt in the private branch
ubuntu@ip-172-31-6-136:~/assignment4$

```

9. Finally update all the code on the private branch

```

ubuntu@ip-172-31-6-136:~/assignment4$ git checkout private
Switched to branch 'private'
ubuntu@ip-172-31-6-136:~/assignment4$ git merge main
Updating f98bba7..4343f22
Fast-forward
 public1.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 public1.txt
ubuntu@ip-172-31-6-136:~/assignment4$

```

