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

```
root@ip-172-31-8-89:~# git clone https://github.com/sachindevop/assignment4.git
Cloning into 'assignment4'...
warning: You appear to have cloned an empty repository.
root@ip-172-31-8-89:~# cd assignment4/
root@ip-172-31-8-89:~/assignment4# touch master.txt
root@ip-172-31-8-89:~/assignment4# git add .
root@ip-172-31-8-89:~/assignment4# git commit -m "master commit"
[main (root-commit) bf465cd] master commit
 Committer: root <root@ip-172-31-8-89.ec2.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
root@ip-172-31-8-89:~/assignment4# git branch public1
root@ip-172-31-8-89:~/assignment4# git branch public2
```

i-020782bf5be19b0cc (git)   ✕

PublicIPs: 3.216.36.181   PrivateIPs: 172.31.8.89

```
Switched to branch 'public1'
root@ip-172-31-8-89:~/assignment4# touch public1
root@ip-172-31-8-89:~/assignment4# mv public1.txt
mv: missing destination file operand after 'public1.txt'
Try 'mv --help' for more information.
root@ip-172-31-8-89:~/assignment4# mv public1 public1.txt
root@ip-172-31-8-89:~/assignment4# git add .
root@ip-172-31-8-89:~/assignment4# git commit -m "public1 file commit"
[public1 d7a02fa] public1 file commit
 Committer: root <root@ip-172-31-8-89.ec2.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
root@ip-172-31-8-89:~/assignment4#
```

i-020782bf5be19b0cc (git)   ✕

PublicIPs: 3.216.36.181   PrivateIPs: 172.31.8.89

```
 git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 public1.txt
root@ip-172-31-8-89:~/assignment4# git branch -a
  main
  private
* public1
  public2
root@ip-172-31-8-89:~/assignment4# git checkout main
Switched to branch 'main'
Your branch is based on 'origin/main', but the upstream is gone.
  (use "git branch --unset-upstream" to fixup)
root@ip-172-31-8-89:~/assignment4# git log
commit bf465cd855d110bece74bc507834910d2933481c (HEAD -> main, public2, private)
Author: root <root@ip-172-31-8-89.ec2.internal>
Date:   Mon Feb 27 18:57:42 2023 +0000

    master commit
root@ip-172-31-8-89:~/assignment4# git checkout public1
Switched to branch 'public1'
root@ip-172-31-8-89:~/assignment4# git log
commit d7a02facfdcb7b80cde0eb89a3ffd76aa7903799 (HEAD -> public1)
Author: root <root@ip-172-31-8-89.ec2.internal>
Date:   Mon Feb 27 19:00:34 2023 +0000
```

i-020782bf5be19b0cc (git)   ✕

PublicIPs: 3.216.36.181   PrivateIPs: 172.31.8.89

```
root@ip-172-31-8-89:~/assignment4# git log
commit d7a02facfdcb7b80cde0eb89a3ffd76aa7903799 (HEAD -> public1)
Author: root <root@ip-172-31-8-89.ec2.internal>
Date:   Mon Feb 27 19:00:34 2023 +0000

    public1 file commit

commit bf465cd855d110bece74bc507834910d2933481c (public2, private, main)
Author: root <root@ip-172-31-8-89.ec2.internal>
Date:   Mon Feb 27 18:57:42 2023 +0000

    master commit
root@ip-172-31-8-89:~/assignment4# git checkout main
Switched to branch 'main'
Your branch is based on 'origin/main', but the upstream is gone.
  (use "git branch --unset-upstream" to fixup)
root@ip-172-31-8-89:~/assignment4# git merge d7a02facfdcb7b80cde0eb89a3ffd76aa7903799
Updating bf465cd..d7a02fa
Fast-forward
 public1.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 public1.txt
root@ip-172-31-8-89:~/assignment4# ls
master.txt  public1.txt
root@ip-172-31-8-89:~/assignment4#
```

i-020782bf5be19b0cc (git)   ✕

PublicIPs: 3.216.36.181   PrivateIPs: 172.31.8.89

```
root@ip-172-31-8-89:~/assignment4# git checkout public2
Switched to branch 'public2'
root@ip-172-31-8-89:~/assignment4# touch public2.txt
root@ip-172-31-8-89:~/assignment4# git add .
root@ip-172-31-8-89:~/assignment4# git commit -m "public2 file committed"
[public2 c82bdd0] public2 file committed
 Committer: root <root@ip-172-31-8-89.ec2.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 public2.txt
root@ip-172-31-8-89:~/assignment4# git checkout main
Switched to branch 'main'
Your branch is based on 'origin/main', but the upstream is gone.
  (use "git branch --unset-upstream" to fixup)
```

i-020782bf5be19b0cc (git)   ✕

PublicIPs: 3.216.36.181   PrivateIPs: 172.31.8.89

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 Committer: root <root@ip-172-31-8-89.ec2.internal>
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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 public2.txt
root@ip-172-31-8-89:~/assignment4# git checkout main
Switched to branch 'main'
Your branch is based on 'origin/main', but the upstream is gone.
  (use "git branch --unset-upstream" to fixup)
root@ip-172-31-8-89:~/assignment4# git merge public2
Merge made by the 'ort' strategy.
 public2.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 public2.txt
root@ip-172-31-8-89:~/assignment4#
```

i-020782bf5be19b0cc (git)   ✕

PublicIPs: 3.216.36.181   PrivateIPs: 172.31.8.89

```
root@ip-172-31-8-89:~/assignment4# git checkout private
Switched to branch 'private'
root@ip-172-31-8-89:~/assignment4# ls
master.txt
root@ip-172-31-8-89:~/assignment4# echo this is edited in private branch and will be updated in all the branches. >> master.txt
root@ip-172-31-8-89:~/assignment4# cat master.txt
this is edited in private branch and will be updated in all the branches.
root@ip-172-31-8-89:~/assignment4# git add .
root@ip-172-31-8-89:~/assignment4# git checkout -m "updated the master.txt file"
error: pathspec 'updated the master.txt file' did not match any file(s) known to git
root@ip-172-31-8-89:~/assignment4# git commit -m "updated the master.txt file"
[private dd79dfd] updated the master.txt file
 Committer: root <root@ip-172-31-8-89.ec2.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

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    git commit --amend --reset-author
```

i-020782bf5be19b0cc (git)   ✕

PublicIPs: 3.216.36.181   PrivateIPs: 172.31.8.89

```
    git commit --amend --reset-author

 1 file changed, 1 insertion(+)
root@ip-172-31-8-89:~/assignment4# git checkout public1
Switched to branch 'public1'
root@ip-172-31-8-89:~/assignment4# git merge private
Merge made by the 'ort' strategy.
 master.txt | 1 +
 1 file changed, 1 insertion(+)
root@ip-172-31-8-89:~/assignment4# git checkout public2
Switched to branch 'public2'
root@ip-172-31-8-89:~/assignment4# git merge private
Merge made by the 'ort' strategy.
 master.txt | 1 +
 1 file changed, 1 insertion(+)
root@ip-172-31-8-89:~/assignment4# git checkout main
Switched to branch 'main'
Your branch is based on 'origin/main', but the upstream is gone.
  (use "git branch --unset-upstream" to fixup)
root@ip-172-31-8-89:~/assignment4# git merge private
Merge made by the 'ort' strategy.
 master.txt | 1 +
 1 file changed, 1 insertion(+)
root@ip-172-31-8-89:~/assignment4#
```

i-020782bf5be19b0cc (git)   ✕

PublicIPs: 3.216.36.181   PrivateIPs: 172.31.8.89

```
root@ip-172-31-8-89:~/assignment4# git checkout private
Switched to branch 'private'
root@ip-172-31-8-89:~/assignment4# git merge main
Updating dd79dfd..758f880
Fast-forward
 public1.txt | 0
 public2.txt | 0
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 public1.txt
 create mode 100644 public2.txt
root@ip-172-31-8-89:~/assignment4# ls
master.txt  public1.txt  public2.txt
root@ip-172-31-8-89:~/assignment4#
```

i-020782bf5be19b0cc (git)

PublicIPs: 3.216.36.181   PrivateIPs: 172.31.8.89