Module 2: Git Assignment – 4

1. Put master.txt on master branch, stage and commit
    - Initialised a working repository and added a file to the master branch. Then the changes are staged and committed.

```
hp@Srinu MINGW64 /d/M2assignment4 (develop)
$ git init
Initialized empty Git repository in D:/M2assignment4/.git/

hp@Srinu MINGW64 /d/M2assignment4 (master)
$ touch master.txt

hp@Srinu MINGW64 /d/M2assignment4 (master)
$ git add .

hp@Srinu MINGW64 /d/M2assignment4 (master)
$ git commit -m "assignment4task1"
[master (root-commit) dc467b9] assignment4task1
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 master.txt
```

2. Create 3 branches: public 1, public 2 and private
    - Then 3 branches are created.

```
hp@Srinu MINGW64 /d/M2assignment4 (master)
$ git checkout -b public1
Switched to a new branch 'public1'

hp@Srinu MINGW64 /d/M2assignment4 (public1)
$ git checkout -b public2
Switched to a new branch 'public2'

hp@Srinu MINGW64 /d/M2assignment4 (public2)
$ git checkout -b public3
Switched to a new branch 'public3'

hp@Srinu MINGW64 /d/M2assignment4 (public3)
$
```

```
hp@Srinu MINGW64 /d/M2assignment4 (master)
$ git checkout -b private
Switched to a new branch 'private'
```

3. Put public1.txt on public 1 branch, stage and commit
    - Checkedout to public1 branch and public1.txr created, staged and committed to local repo

```
hp@Srinu MINGW64 /d/M2assignment4 (public3)
$ git checkout public1
Switched to branch 'public1'

hp@Srinu MINGW64 /d/M2assignment4 (public1)
$ touch public1.txt

hp@Srinu MINGW64 /d/M2assignment4 (public1)
$ git add public1.txt

hp@Srinu MINGW64 /d/M2assignment4 (public1)
$ git commit -m "task3"
[public1 dc3819b] task3
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 public1.txt

hp@Srinu MINGW64 /d/M2assignment4 (public1)
$
```

4. Merge public 1 on master branch
    - Then the public1 branch is merged with master branch

```
hp@Srinu MINGW64 /d/M2assignment4 (public1)
$ git checkout master
Switched to branch 'master'

hp@Srinu MINGW64 /d/M2assignment4 (master)
$ git merge public1
Updating dc467b9..dc3819b
Fast-forward
 public1.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 public1.txt

hp@Srinu MINGW64 /d/M2assignment4 (master)
$ ls
master.txt  public1.txt
```

5. Merge public 2 on master branch
    - Similarly public2 is also merged with master

```
hp@Srinu MINGW64 /d/M2assignment4 (master)
$ git merge public2
Already up to date.
```

6. Edit master.txt on private branch, stage and commit
   Navigated into the private branch and master.txt is edited , staged and committed

```
hp@Srinu MINGW64 /d/M2assignment4 (master)
$ git checkout private
Switched to branch 'private'

hp@Srinu MINGW64 /d/M2assignment4 (private)
$ ls
master.txt  public1.txt

hp@Srinu MINGW64 /d/M2assignment4 (private)
$ vi master.txt

hp@Srinu MINGW64 /d/M2assignment4 (private)
$ cat master.txt

hp@Srinu MINGW64 /d/M2assignment4 (private)
$ vi master.txt

hp@Srinu MINGW64 /d/M2assignment4 (private)
$ cat master.txt
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hp@Srinu MINGW64 /d/M2assignment4 (private)
$ git add master.txt
warning: in the working copy of 'master.txt', LF will be replaced by CRLF the next time Git touches it

hp@Srinu MINGW64 /d/M2assignment4 (private)
$ git commit -m "task6"
[private ac87208] task6
 1 file changed, 2 insertions(+)
```

7. Now update branch public 1 and public 2 with new master code in private
    - Now the changes made in private branch are merged to both public1 and public2 respectively

```
hp@Srinu MINGW64 /d/M2assignment4 (private)
$ git checkout public1
Switched to branch 'public1'

hp@Srinu MINGW64 /d/M2assignment4 (public1)
$ git merge private
Updating dc3819b..ac87208
Fast-forward
 master.txt | 2 ++
 1 file changed, 2 insertions(+)

hp@Srinu MINGW64 /d/M2assignment4 (public1)
$ git checkout public2
Switched to branch 'public2'

hp@Srinu MINGW64 /d/M2assignment4 (public2)
$ git merge private
Updating dc467b9..ac87208
Fast-forward
 master.txt  | 2 ++
 public1.txt | 0
 2 files changed, 2 insertions(+)
 create mode 100644 public1.txt

hp@Srinu MINGW64 /d/M2assignment4 (public2)
$
```

8. Also update new master code on master
    - Master branch is updated to latest master code

```
hp@Srinu MINGW64 /d/M2assignment4 (public2)
$ git checkout master
Switched to branch 'master'

hp@Srinu MINGW64 /d/M2assignment4 (master)
$ git merge private
Updating dc3819b..ac87208
Fast-forward
 master.txt | 2 ++
 1 file changed, 2 insertions(+)

hp@Srinu MINGW64 /d/M2assignment4 (master)
$
```

9. Finally update all the code on the private branch
    - Now all code is updated in private branch

```
hp@Srinu MINGW64 /d/M2assignment4 (master)
$ git checkout private
Switched to branch 'private'

hp@Srinu MINGW64 /d/M2assignment4 (private)
$ git merge master
Already up to date.

hp@Srinu MINGW64 /d/M2assignment4 (private)
$
```