

Module 2: Git Assignment -2

Tasks To Be Performed:

1. Create a Git working directory with feature1.txt and feature2.txt in the master branch
2. Create 3 branches develop, feature1 and feature2
3. In develop branch create develop.txt, do not stage or commit it
4. Stash this file and check out to feature1 branch
5. Create new.txt file in feature1 branch, stage and commit this file
6. Checkout to develop, unstash this file and commit
7. Please submit all the Git commands used to do the

Answers:

1. Create a Git working directory with feature1.txt and feature2.txt in the master branch

```
ubuntu@ip-172-31-46-211:~$ mkdir Assignment2
ubuntu@ip-172-31-46-211:~$ cd Assignment2
ubuntu@ip-172-31-46-211:~/Assignment2$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change, to configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/ubuntu/Assignment2/.git/
ubuntu@ip-172-31-46-211:~/Assignment2$ touch feature1.txt feature2.txt
ubuntu@ip-172-31-46-211:~/Assignment2$ ls
feature1.txt  feature2.txt
ubuntu@ip-172-31-46-211:~/Assignment2$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        feature1.txt
        feature2.txt

nothing added to commit but untracked files present (use "git add" to track)
ubuntu@ip-172-31-46-211:~/Assignment2$ git add .
ubuntu@ip-172-31-46-211:~/Assignment2$ git status
```

```
ubuntu@ip-172-31-46-211:~/Assignment2$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    feature1.txt
    feature2.txt

nothing added to commit but untracked files present (use "git add" to track)
ubuntu@ip-172-31-46-211:~/Assignment2$ git add .
ubuntu@ip-172-31-46-211:~/Assignment2$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   feature1.txt
    new file:   feature2.txt

ubuntu@ip-172-31-46-211:~/Assignment2$ git commit -m"my commit 2"
[master (root-commit) c5aee0e] my commit 2
Committer: Ubuntu <ubuntu@ip-172-31-46-211.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
```

2. Create 3 branches develop, feature1 and feature2

```
No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   feature1.txt
    new file:   feature2.txt

ubuntu@ip-172-31-46-211:~/Assignment2$ git commit -m"my commit 2"
[master (root-commit) c5aee0e] my commit 2
Committer: Ubuntu <ubuntu@ip-172-31-46-211.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

2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 feature1.txt
create mode 100644 feature2.txt
ubuntu@ip-172-31-46-211:~/Assignment2$ git branch develop
ubuntu@ip-172-31-46-211:~/Assignment2$ git branch feature1
ubuntu@ip-172-31-46-211:~/Assignment2$ git branch feature2
ubuntu@ip-172-31-46-211:~/Assignment2$ git branch
  develop
  feature1
  feature2
* master
```

3. In develop branch create develop.txt, do not stage or commit it

```
feature2
* master
ubuntu@ip-172-31-46-211:~/Assignment2$ git checkout develop
error: pathspec 'develop' did not match any file(s) known to git
ubuntu@ip-172-31-46-211:~/Assignment2$ git checkout develop
Switched to branch 'develop'
ubuntu@ip-172-31-46-211:~/Assignment2$ touch develop.txt
ubuntu@ip-172-31-46-211:~/Assignment2$ git stash -u
```

4. Stash this file and check out to feature1 branch

```

feature2
* master
ubuntu@ip-172-31-46-211:~/Assignment2$ git checkout develop
error: pathspec 'develop' did not match any file(s) known to git
ubuntu@ip-172-31-46-211:~/Assignment2$ git checkout develop
Switched to branch 'develop'
ubuntu@ip-172-31-46-211:~/Assignment2$ touch develop.txt
ubuntu@ip-172-31-46-211:~/Assignment2$ git stash -u
Saved working directory and index state WIP on develop: c5aee0e my commit 2
ubuntu@ip-172-31-46-211:~/Assignment2$ git checkout feature1
Switched to branch 'feature1'
ubuntu@ip-172-31-46-211:~/Assignment2$ touch new.txt
ubuntu@ip-172-31-46-211:~/Assignment2$ add new.txt
Command 'add' not found, did you mean:
  command 'hadd' from snap root-framework (v6-30-04)
  command 'ladd' from deb libc-bin (2.35-0ubuntu3.4)
  command 'adb' from deb adb (1:10.0.0+r36-9)
  command 'dd' from deb coreutils (8.32-4.1ubuntu1)
  command 'ad' from deb netatalk (3.1.12-ds-9ubuntu0.22.04.1)
  command 'pdd' from deb pdd (1.5-1)
  command 'adri' from deb adr-tools (3.0.0-2)
  command 'tdd' from deb devtodo (0.1.20+git20200830.0ad52b0-1)
  command 'axd' from deb afnix (3.5.0-3)
  command 'aid' from deb id-utils (4.6.28-20200521ss15dab)
  command 'and' from deb and (1.2.2-4.2)
  command 'atd' from deb at (3.2.5-1ubuntu1)
  command 'ddd' from deb ddd (1:3.12-5-3build1)
See 'snap info <snapname>' for additional versions.
ubuntu@ip-172-31-46-211:~/Assignment2$ git add new.txt
ubuntu@ip-172-31-46-211:~/Assignment2$ git commit -m"commiting file in feature branch"
[feature1 f8ab5ce] commiting file in feature branch
Committer: Ubuntu <ubuntu@ip-172-31-46-211.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.

```

5. Create new.txt file in feature1 branch, stage and commit this file

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 new.txt
ubuntu@ip-172-31-46-211:~/Assignment2$ git status
On branch feature1
nothing to commit, working tree clean
ubuntu@ip-172-31-46-211:~/Assignment2$

```

6. Checkout to develop, unstash this file and commit

```

AWS Services Q Search [Alt+S] Mumbai VaishnaviGohar
nothing to commit, working tree clean
ubuntu@ip-172-31-46-211:~/Assignment2$ git checkout develop
Switched to branch 'develop'
ubuntu@ip-172-31-46-211:~/Assignment2$ git stash pop
Already up to date.
On branch develop
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    develop.txt

nothing added to commit but untracked files present (use "git add" to track)
Dropped refs/stash@{0} (a8f2a624723e681ecad6026ae091e6748544080e)
ubuntu@ip-172-31-46-211:~/Assignment2$ git add develop.txt
ubuntu@ip-172-31-46-211:~/Assignment2$ git commit -m "commiting develop.txt"
[develop effcd40] commiting develop.txt
Committer: Ubuntu <ubuntu@ip-172-31-46-211.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 develop.txt
ubuntu@ip-172-31-46-211:~/Assignment2$ git status
On branch develop
nothing to commit, working tree clean
ubuntu@ip-172-31-46-211:~/Assignment2$ history

```

7. Please submit all the Git commands used to do the

```
aws Services Search [Alt+S] Mumbai VaishnaviGothar
On branch develop
nothing to commit, working tree clean
ubuntu@ip-172-31-46-211:~/Assignment2$ history
 1 sudo apt update
 2 mkdir Assignment2
 3 cd Assignment2
 4 git init
 5 touch feature1.txt feature2.txt
 6 ls
 7 git status
 8 git add .
 9 git status
10 git commit -m"my commit 2"
11 git branch develop
12 git branch feature1
13 git branch feature2
14 git branch
15 git checkout develop
16 git checkout develop
17 touch develop.txt
18 git stash -u
19 git checkout feature1
20 touch new.txt
21 add new.txt
22 git add new.txt
23 git commit -m"commiting file in feature branch"
24 git status
25 git checkout develop
26 git stash pop
27 git add develop.txt
28 git commit -m "commiting develop.txt"
29 git status
30 history
ubuntu@ip-172-31-46-211:~/Assignment2$
```