DevOps Weekday BC = 2307111411

Module 2: Git Assignment – 2

1. Create a Git working directory with feature1.txt and feature2.txt in the master branch
   - Initiated a empty repository and created a directory named M2assignment2.
   - Navigated into the directory created and required files are created feature1.txt and feature2.txt

2. Create 3 branches develop, feature1 and feature2
   - Created a branch named develop, feature1 and feature2

3. In develop branch create develop.txt, do not stage or commit it
   - In develop branch created a file named develop.txt

4. Stash this file and check out to feature1 branch
   - The file is stashed using "git stash push -u -- develop.txt."

```
hp@Srinu MINGW64 /d/M2assignment2 (develop)
$ git stash push -u -- develop.txt
warning: in the working copy of 'M2assignment2/develop.txt', LF will be replaced by CRLF the next time Git touches it
Saved working directory and index state WIP on develop: d8a5053 general commit
warning: in the working copy of 'M2assignment2/develop.txt', LF will be replaced by CRLF the next time Git touches it

hp@Srinu MINGW64 /d/M2assignment2 (develop)
$ ls

hp@Srinu MINGW64 /d/M2assignment2 (develop)
$ git checkout feature1
Switched to branch 'feature1'

hp@Srinu MINGW64 /d/M2assignment2 (feature1)
$
```

5. Create new.txt file in feature1 branch, stage and commit this file
   - Navigated to the feature1 branch
   - Created a file new.txt
   - Staged and committed the file

```
hp@Srinu MINGW64 /d/M2assignment2 (develop)
$ git checkout feature1
Switched to branch 'feature1'

hp@Srinu MINGW64 /d/M2assignment2 (feature1)
$ touch new.txt

hp@Srinu MINGW64 /d/M2assignment2 (feature1)
$ ls
new.txt

hp@Srinu MINGW64 /d/M2assignment2 (feature1)
$ git add new.txt

hp@Srinu MINGW64 /d/M2assignment2 (feature1)
$ git commit -m "commiting new.txt to feature1"
[feature1 d6cf616] commiting new.txt to feature1
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 M2assignment2/new.txt
```

6. Checkout to develop, unstash this file and commit
   - Checkout to the develop branch and unstashed the file and then staged and committed

```
hp@Srinu MINGW64 /d/M2assignment2 (feature2)
$ git checkout develop
Switched to branch 'develop'

hp@Srinu MINGW64 /d/M2assignment2 (develop)
$ ls

hp@Srinu MINGW64 /d/M2assignment2 (develop)
$ git stash
No local changes to save

hp@Srinu MINGW64 /d/M2assignment2 (develop)
$ git stash list
stash@{0}: WIP on develop: d8a5053 general commit

hp@Srinu MINGW64 /d/M2assignment2 (develop)
$ git stash pop
warning: could not open directory 'System Volume Information/': Permission denied
On branch develop
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   develop.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        ../$RECYCLE.BIN/
        ../24-Aug Inteview Preparation.docx
        ../Azure notes.docx
        ../DevOps materials/
        ../Gallery/
        ../Intellipaat Assignments/
        ../M2assignment1/Log.txt
        ../Movies/
        ../Music/
        ../for git practice/

Dropped refs/stash@{0} (ee5bbd6873f8b39259fcf5cf5df0871488c95903)

hp@Srinu MINGW64 /d/M2assignment2 (develop)
$ ls
develop.txt

hp@Srinu MINGW64 /d/M2assignment2 (develop)
$ git add develop.txt

hp@Srinu MINGW64 /d/M2assignment2 (develop)
$ git commit -m "commiting the stashed file"
[develop 30c401c] commiting the stashed file
 1 file changed, 2 insertions(+)
 create mode 100644 M2assignment2/develop.txt

hp@Srinu MINGW64 /d/M2assignment2 (develop)
$
```

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

   Commands used to achieve above tasks are

   - git init: To initialise a working directory
   - mkdir: To create a folder or a directory in the working directory
   - touch: To create required files
   - git add: To stage the changes
   - git commit: To commit the changes into the local repo

- git checkout -b <branch-name> : To create a new branch
- git checkout <brach-name> : To move between braches
- git stash push -u -- <file-name> : To stash a untracked file
- git pop or git apply : to unstash the files
- git stash list : to get the stash record