1. Create and intialize local git repository having simple angular application with calculator program

```
group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (mast
er)
$ git init
Reinitialized existing Git repository in C:/Users/group026/Desktop/Assignment_01
git/.git/
```

2. Add all the files into the staging area and commit the first draft code

```
group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (mast
er)
$ git add *

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (mast
er)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   simplecalculator.css
        new file:   simplecalculator.html
        new file:   simplecalculator.js

Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    calculator.html


group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (mast
er)
$ git commit -m "first draft code"
[master 9ea09a7] first draft code
 Committer: Group026 <Group026@infoway.com>
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

 3 files changed, 74 insertions(+)
 create mode 100644 simplecalculator.css
 create mode 100644 simplecalculator.html
 create mode 100644 simplecalculator.js
```

3. Update the angular calculator code adding the function to perform percentage operation

```
$ git branch
* master

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git branch newfeature

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git branch
* master
  newfeature

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git checkout newfeature
Switched to branch 'newfeature'

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (newfeature)
$ git branch
  master
* newfeature

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (newfeature)
$ git add *
```

4. Add the updated code and create another commit

```
group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git commit -m "second draft code"
On branch master
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    calculator.html
        modified:   simplecalculator.html

no changes added to commit (use "git add" and/or "git commit -a")
```

5. Get the log of commits and show the updated files

```
group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git log
commit 9ea09a7e07aa049bd2eec74d5521f4a2cbf6ac35 (HEAD -> master)
Author: Group026 <Group026@infoway.com>
Date:   Wed Nov 9 15:22:39 2022 +0530

    first draft code

commit 23aa998fb426ee2c4c9bdba69a54e9ce43846d13
Author: Group026 <Group026@infoway.com>
Date:   Wed Nov 9 13:02:24 2022 +0530

    calculator.html
```

6. Use hard reset to make repository code to initial commit

```
group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git reset --hard 9ea09a
HEAD is now at 9ea09a7 first draft code
```

7. See the hard commit changed the source code with java calculator application without percentage operation

```
group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git reset --hard 9ea09a
HEAD is now at 9ea09a7 first draft code
```

8. Create a new branch with the name newfeatures

```
group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git branch
* master

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git branch newfeature
```

9. Add the new program advance calculator with few advance calculator function and commit it in newfeatures branch

```
group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git branch newfeature

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git branch
* master
  newfeature

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git checkout newfeature
Switched to branch 'newfeature'

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (newfeature)
$ git branch
  master
* newfeature

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (newfeature)
$ git add *

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (newfeature)
$ git status
On branch newfeature
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   simplecalculator.html
```

10. Merge the branch with master branch

```
group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git merge newfeature
Updating 9ea09a7..db12f96
Fast-forward
 simplecalculator.html | 8 +++++++-
 1 file changed, 7 insertions(+), 1 deletion(-)
```

11. Remove the branch newfeatures

```
group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git branch -d newfeature
Deleted branch newfeature (was db12f96).
```

12. Commit the code in the master branch

```
group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git add *
```

13. Create a remote link with your github newly created repository with name calculatorApp

```
group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git remote add origin "https://github.com/Abhilash-Potegaonkar/calculator.git"
```

14. Push the changes into your github repository

```
group026@Administrator5 MINGW64 /c/Users/group026/Desktop/Assignment_01git (master)
$ git push origin master
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 4 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (11/11), 1.99 KiB | 107.00 KiB/s, done.
Total 11 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), done.
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:      https://github.com/Abhilash-Potegaonkar/calculator/pull/new/master
remote:
To https://github.com/Abhilash-Potegaonkar/calculator.git
 * [new branch]      master -> master
```

15. Create new folder in your harddrive and use pull command to get your calculatorApp from github repository

```
group026@Administrator5 MINGW64 /c/Users/group026/Desktop/git q no15
$ git init
Initialized empty Git repository in C:/Users/group026/Desktop/git q no15/.git/

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/git q no15 (master)
$ git remote add origin "https://github.com/Abhilash-Potegaonkar/calculator.git"

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/git q no15 (master)
$ git remote
origin

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/git q no15 (master)
$ git pull origin master
remote: Enumerating objects: 11, done.
remote: Counting objects: 100% (11/11), done.
remote: Compressing objects: 100% (8/8), done.
remote: Total 11 (delta 2), reused 11 (delta 2), pack-reused 0
Unpacking objects: 100% (11/11), 1.97 KiB | 4.00 KiB/s, done.
From https://github.com/Abhilash-Potegaonkar/calculator
 * branch            master     -> FETCH_HEAD
 * [new branch]      master     -> origin/master

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/git q no15 (master)
$ |
```

16. Make few changes into the code and push it back to the github repository

Class comments

```
group026@Administrator5 MINGW64 /c/Users/group026/Desktop/git q no15 (master)
$ git pull origin master
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 3 (delta 2), reused 3 (delta 2), pack-reused 0
Unpacking objects: 100% (3/3), 274 bytes | 1024 bytes/s, done.
From https://github.com/Abhilash-Potegaonkar/calculator
 * branch            master      -> FETCH_HEAD
   db12f96..035c903  master      -> origin/master
Updating db12f96..035c903
Fast-forward
 simplecalculator.html | 1 +
 1 file changed, 1 insertion(+)

group026@Administrator5 MINGW64 /c/Users/group026/Desktop/git q no15 (master)
$ |
```