Kindly write a git command execute it and take a screen shot and share in the classroom  
  
1. Create and intialize local git repository having simple java application with calculator program

Sujeet@Sujeet MINGW64 /d/CDAC/Lectures/10 Software Development Methodoligies/Assignments/Assignment 01

$ git init

Initialized empty Git repository in D:/CDAC/Lectures/10 Software Development Methodoligies/Assignments/Assignment 01/.git/

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

Sujeet@Sujeet MINGW64 /d/CDAC/Lectures/10 Software Development Methodoligies/Assignments/Assignment 01 (master)

$ git add dowhileswitch.java

Sujeet@Sujeet MINGW64 /d/CDAC/Lectures/10 Software Development Methodoligies/Assignments/Assignment 01 (master)

$ git commit -m "Calculator Program"

[master (root-commit) c8de323] Calculator Program

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 dowhileswitch.java

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

Sujeet@Sujeet MINGW64 /d/CDAC/Lectures/10 Software Development Methodoligies/Assignments/Assignment 01 (master)

$ git status

On branch master

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: dowhileswitch.java

Untracked files:

(use "git add <file>..." to include in what will be committed)

Assignment 01.docx

~$signment 01.docx

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

4. Add the updated code and create another commit

Sujeet@Sujeet MINGW64 /d/CDAC/Lectures/10 Software Development Methodoligies/Assignments/Assignment 01 (master)

$ git add dowhileswitch.java

Sujeet@Sujeet MINGW64 /d/CDAC/Lectures/10 Software Development Methodoligies/Assignments/Assignment 01 (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: dowhileswitch.java

Untracked files:

(use "git add <file>..." to include in what will be committed)

Assignment 01.docx

~$signment 01.docx

Sujeet@Sujeet MINGW64 /d/CDAC/Lectures/10 Software Development Methodoligies/Assignments/Assignment 01 (master)

$ git commit -m "Changes to percentage"

[master 25f22bd] Changes to percentage

1 file changed, 57 insertions(+)

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

Sujeet@Sujeet MINGW64 /d/CDAC/Lectures/10 Software Development Methodoligies/Assignments/Assignment 01 (master)

$ git log

commit 25f22bd6ab23f215f067fdfec146ed483b82c603 (HEAD -> master)

Author: Sujeetshinde <sujeet4999@gmail.com>

Date: Tue Jun 21 10:57:51 2022 +0530

Changes to percentage

commit c8de3233d552fad3a30a24963bdbc364762fff27

Author: Sujeetshinde <sujeet4999@gmail.com>

Date: Tue Jun 21 10:49:46 2022 +0530

Calculator Program

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

Sujeet@Sujeet MINGW64 /d/CDAC/Lectures/10 Software Development Methodoligies/Assignments/Assignment 01 (master)

$ git reset --hard c8de3233d552fad3a30a24963bdbc364762fff27

HEAD is now at c8de323 Calculator Program

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

Sujeet@Sujeet MINGW64 /d/CDAC/Lectures/10 Software Development Methodoligies/Assignments/Assignment 01 (master)

$ git log

commit c8de3233d552fad3a30a24963bdbc364762fff27 (HEAD -> master)

Author: Sujeetshinde <sujeet4999@gmail.com>

Date: Tue Jun 21 10:49:46 2022 +0530

Calculator Program

8. Create a new branch with the name newfeatures

Sujeet@Sujeet MINGW64 /d/CDAC/Lectures/10 Software Development Methodoligies/Assignments/Assignment 01 (master)

$ git branch newfeatures

Sujeet@Sujeet MINGW64 /d/CDAC/Lectures/10 Software Development Methodoligies/Assignments/Assignment 01 (master)

$ git branch

\* master

newfeatures

Sujeet@Sujeet MINGW64 /d/CDAC/Lectures/10 Software Development Methodoligies/Assignments/Assignment 01 (master)

$ git checkout newfeatures

Switched to branch 'newfeatures'

Sujeet@Sujeet MINGW64 /d/CDAC/Lectures/10 Software Development Methodoligies/Assignments/Assignment 01 (newfeatures)

$ git branch

master

\* newfeatures

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

10. Merge the branch with master branch

11. Remove the branch newfeatures  
12. Commit the code in the master branch  
13. Create a remote link with your github newly created repository with name calculatorApp  
14. Push the changes into your github repository  
15. Create new folder in your harddrive and use pull command to get your calculatorApp from github repository  
16. Make few changes into the code and push it back to the github repository