

# GIT COMMANDS

Kindly write a git command execute it and take a screen shot and share in the classroom

1. Create and initialize local git repository having simple python calculator program
2. Add all the files into the staging area and commit the first draft code
3. Update the python calculator code adding the function to perform percentage operation
4. Add the updated code and create another commit
5. Get the log of commits and show the updated files
6. Use hard reset to make repository code to initial commit
7. See the hard commit changed the source code with python calculator application without percentage operation
8. Create a new branch with the name 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



```
Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment
$ git init
Initialized empty Git repository in C:/Users/Administrator/Documents/Git_Assignment/.git/

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git add .

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git commit -m 'First draft code'
[master (root-commit) 3cb1297] First draft code
1 file changed, 42 insertions(+)
create mode 100644 calculator.py

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git log
commit 3cb12976c43135c8c154373df1ac0a516ebd31bf (HEAD -> master)
Author: Mithun2000 <mithunmadhukumar@gmail.com>
Date: Mon Jun 17 16:16:03 2024 +0530

    First draft code

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ |
```

```
MINGW64/c/Users/Administrator/Documents/Git_Assignment
Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment
$ git init
Initialized empty Git repository in C:/Users/Administrator/Documents/Git_Assignment/.git/
Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
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[master (root-commit) 3cb1297] First draft code
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$ git log
commit 3cb12976c43135c8c154373df1ac0a516ebd31bf (HEAD -> master)
Author: Midhun2000 <m1dhunmadhukumar@gmail.com>
Date: Mon Jun 17 16:16:03 2024 +0530

    First draft code
Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git add .
Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git commit -m "updated code"
[master 7d31a75] updated code
1 file changed, 11 insertions(+), 2 deletions(-)
Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git log
commit 7d31a75ee9f564be94f3e46db01a64617d1e2814 (HEAD -> master)
Author: Midhun2000 <m1dhunmadhukumar@gmail.com>
Date: Mon Jun 17 16:21:10 2024 +0530

    updated code
commit 3cb12976c43135c8c154373df1ac0a516ebd31bf
Author: Midhun2000 <m1dhunmadhukumar@gmail.com>
Date: Mon Jun 17 16:16:03 2024 +0530

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Date: Mon Jun 17 16:16:03 2024 +0530

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Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git reset --hard
HEAD is now at 7d31a75 updated code
Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git reset --hard AC
Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git reset --hard 3cb12976c43135c8c154373df1ac0a516ebd31bf
HEAD is now at 3cb1297 First draft code
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Author: Mithun2000 <mithunmadhukumar@gmail.com>
Date: Mon Jun 17 16:16:03 2024 +0530

    First draft code

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git checkout -b newfeatures
Switched to a new branch 'newfeatures'

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (newfeatures)
$ git log
commit 3cb12976c43135c8c154373df1ac0a516ebd31bf (HEAD -> newfeatures, master)
Author: Mithun2000 <mithunmadhukumar@gmail.com>
Date: Mon Jun 17 16:16:03 2024 +0530

    First draft code

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (newfeatures)
$
```

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MINGW64/c/Users/Administrator/Documents/Git_Assignment
Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git log
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Author: Mithun2000 <mithunmadhukumar@gmail.com>
Date: Mon Jun 17 16:16:03 2024 +0530

    First draft code

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (newfeatures)
$ git add .

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (newfeatures)
$ git commit -m "New features"
[newfeatures a95f4db] New features
1 file changed, 63 insertions(+),
create mode 100644 advanced_calculator.py

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (newfeatures)
$ git log
commit a95f4dbe8236a14f03d5e540e7754f0e0fb24eb0 (HEAD -> newfeatures)
Author: Mithun2000 <mithunmadhukumar@gmail.com>
Date: Mon Jun 17 16:29:19 2024 +0530

    New features

commit 3cb12976c43135c8c154373df1ac0a516ebd31bf (master)
Author: Mithun2000 <mithunmadhukumar@gmail.com>
Date: Mon Jun 17 16:16:03 2024 +0530

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MINGW64/c/Users/Administrator/Documents/Git_Assignment
Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (newfeatures)
$ git log
commit 3cb12976c4335c8c154373df1ac0a516ebd31bf (HEAD -> newfeatures, master)
Author: Mdhun2000 <mdhmadhukumar@gmail.com>
Date: Mon Jun 17 16:16:03 2024 +0530

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Author: Mdhun2000 <mdhmadhukumar@gmail.com>
Date: Mon Jun 17 16:16:03 2024 +0530

    First draft code

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (newfeatures)
$ git checkout master
Switched to branch 'master'

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git merge newfeatures
Updating 3cb1297..a95f4db
Fast-forward
 advanced_calculator.py | 63 ++++++
 1 file changed, 63 insertions(+)
 create mode 100644 advanced_calculator.py
Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
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$ git add .
Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git commit -m"commit advancefeatures to master"
On branch master
nothing to commit, working tree clean

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git status
On branch master
nothing to commit, working tree clean

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ |
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Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git add .

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git commit -m"commit advance features to master"
On branch master
nothing to commit, working tree clean

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git status
On branch master
nothing to commit, working tree clean

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git remote add origin https://github.com/Mithun2000/python_calculatorapp.git

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ |
```

```
MINGW64/c/Users/Administrator/Documents/Git_Assignment
nothing to commit, working tree clean

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git status
On branch master
nothing to commit, working tree clean

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git remote add origin https://github.com/Mithun2000/python_calculatorapp.git

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git add .

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git commit -m"advance features to master"
On branch master
nothing to commit, working tree clean

Administrator@534fbb09f3fd5f3 MINGW64 ~/Documents/Git_Assignment (master)
$ git push origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 6 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 1.25 KiB | 1.25 MiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/Mithun2000/python_calculatorapp.git
 * [new branch] master -> master

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$ git log
commit a95f4db8236a14f03d5e40e7754f0e0fb24eb0 (HEAD -> master, origin/master)
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