**SUBMITTED BY,**

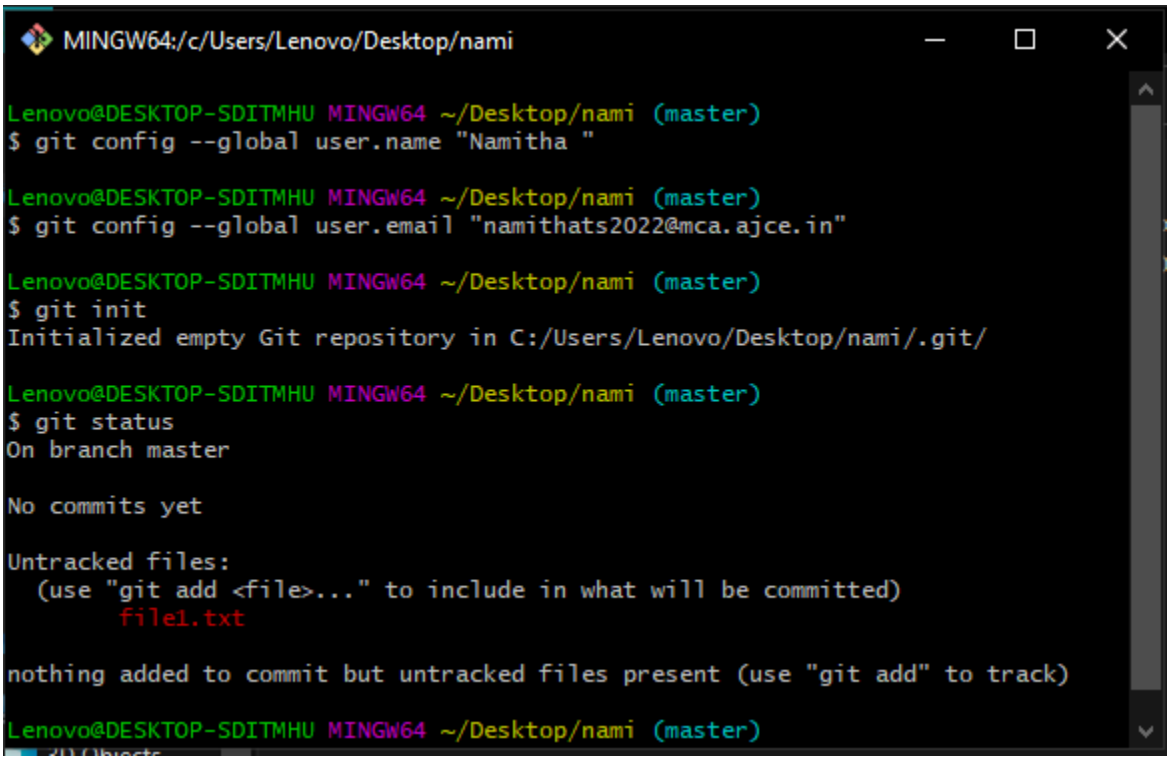
**NAMITHA T S**

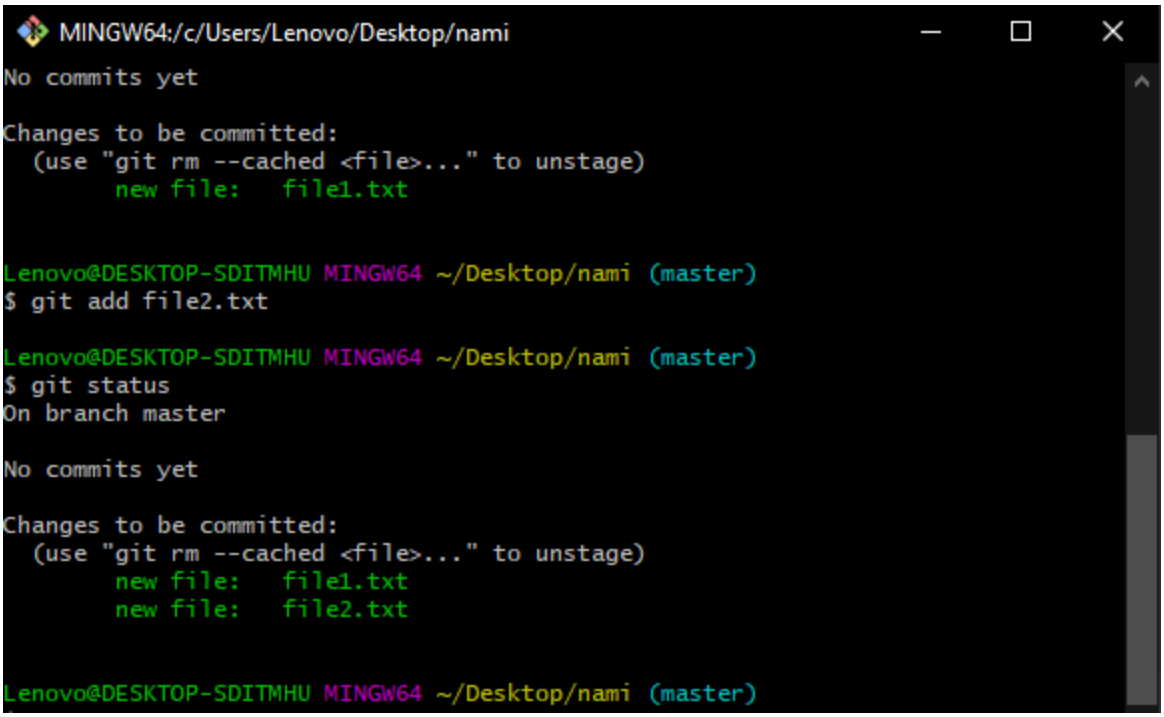
**Roll No:12**

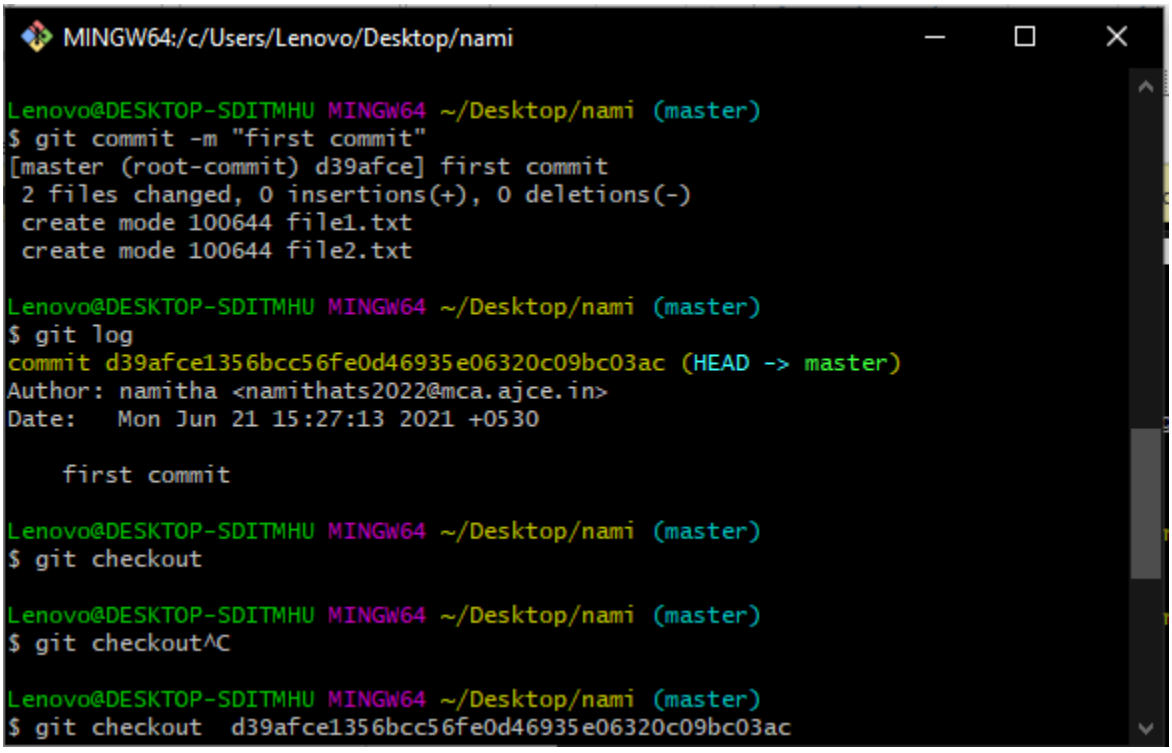
**MCA Regular(S4)**

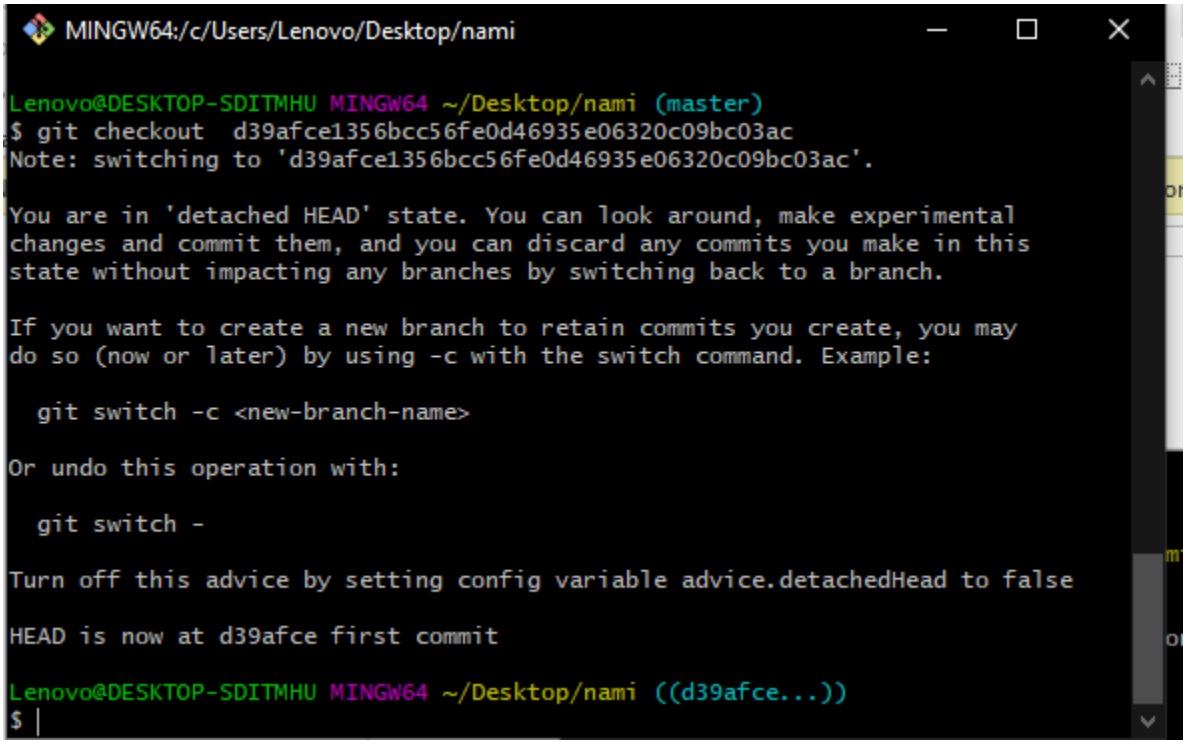
**AJCE**

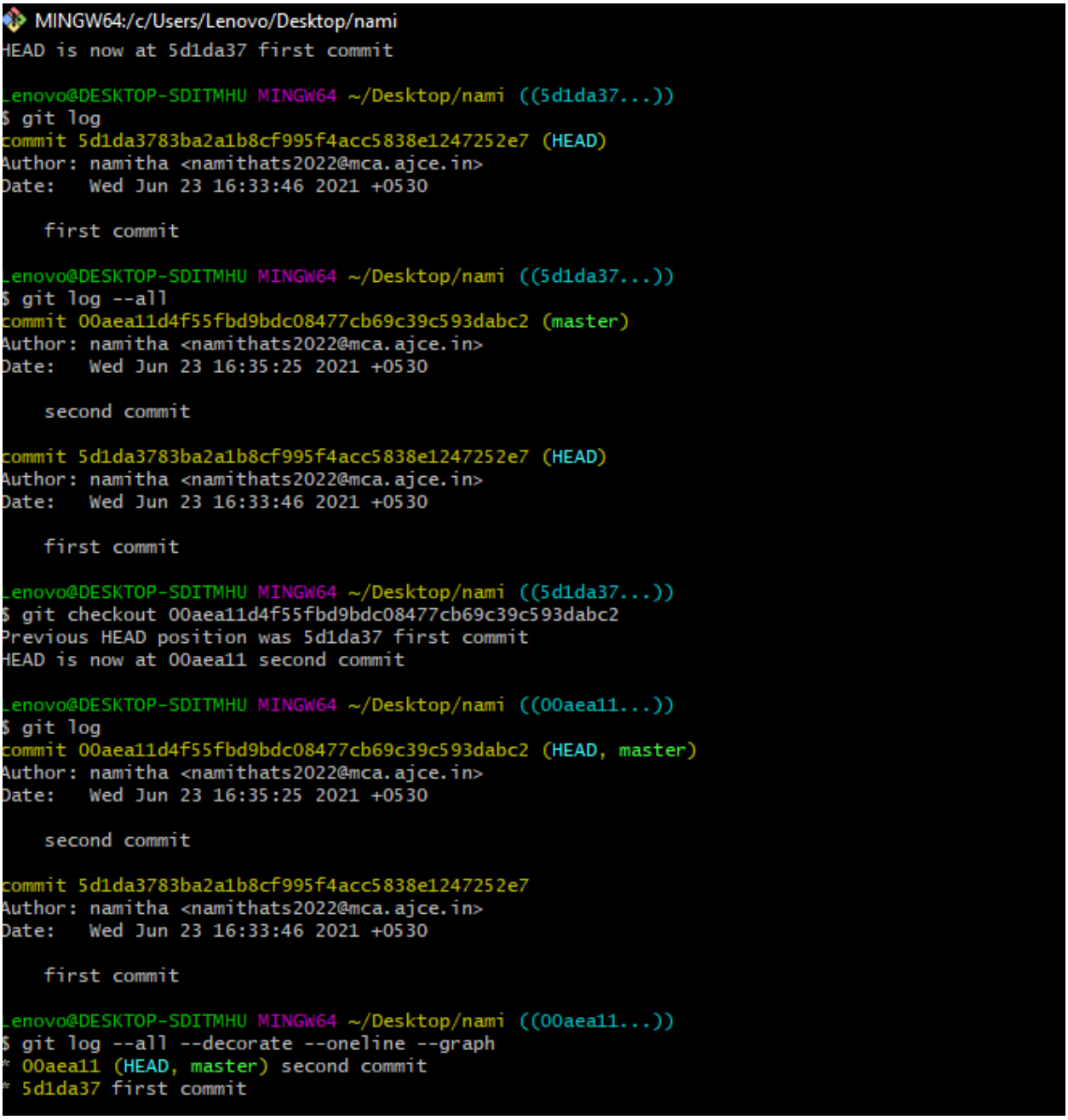
## GIT COMMANDS

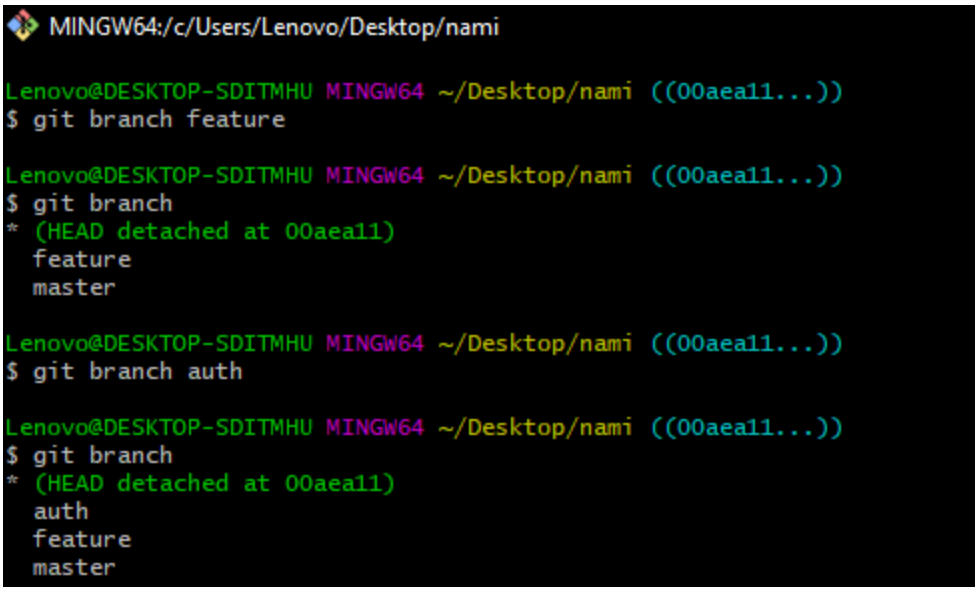


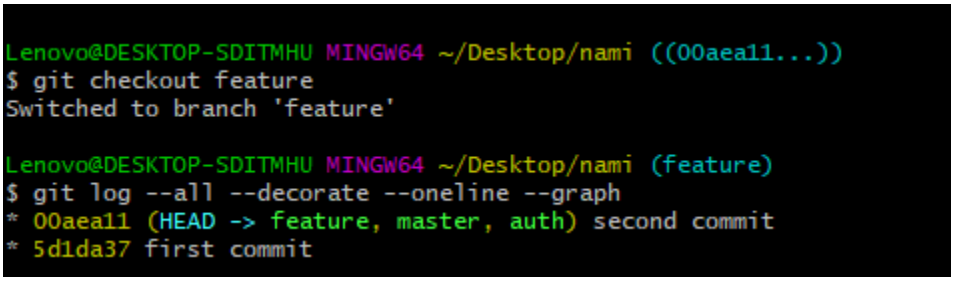

MINGW64:/c/Users/Lenovo/Desktop/nami
No commits yet
Changes to be committed:
(use "git rm --cached <file>..." to unstage)
new file: file1.txt
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)
$ git add file2.txt
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)
$ git status
On branch master
No commits yet
Changes to be committed:
(use "git rm --cached <file>..." to unstage)
new file: file1.txt
new file: file2.txt
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)


MINGW64:/c/Users/Lenovo/Desktop/nami
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)
$ git commit -m "first commit"
[master (root-commit) d39afce] first commit
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file1.txt
create mode 100644 file2.txt
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)
$ git log
commit d39afce1356bcc56fe0d46935e06320c09bc03ac (HEAD -> master)
Author: namitha <namithats2022@mca.ajce.in>
Date: Mon Jun 21 15:27:13 2021 +0530
first commit
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)
$ git checkout
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)
$ git checkout^C
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)
$ git checkout d39afce1356bcc56fe0d46935e06320c09bc03ac

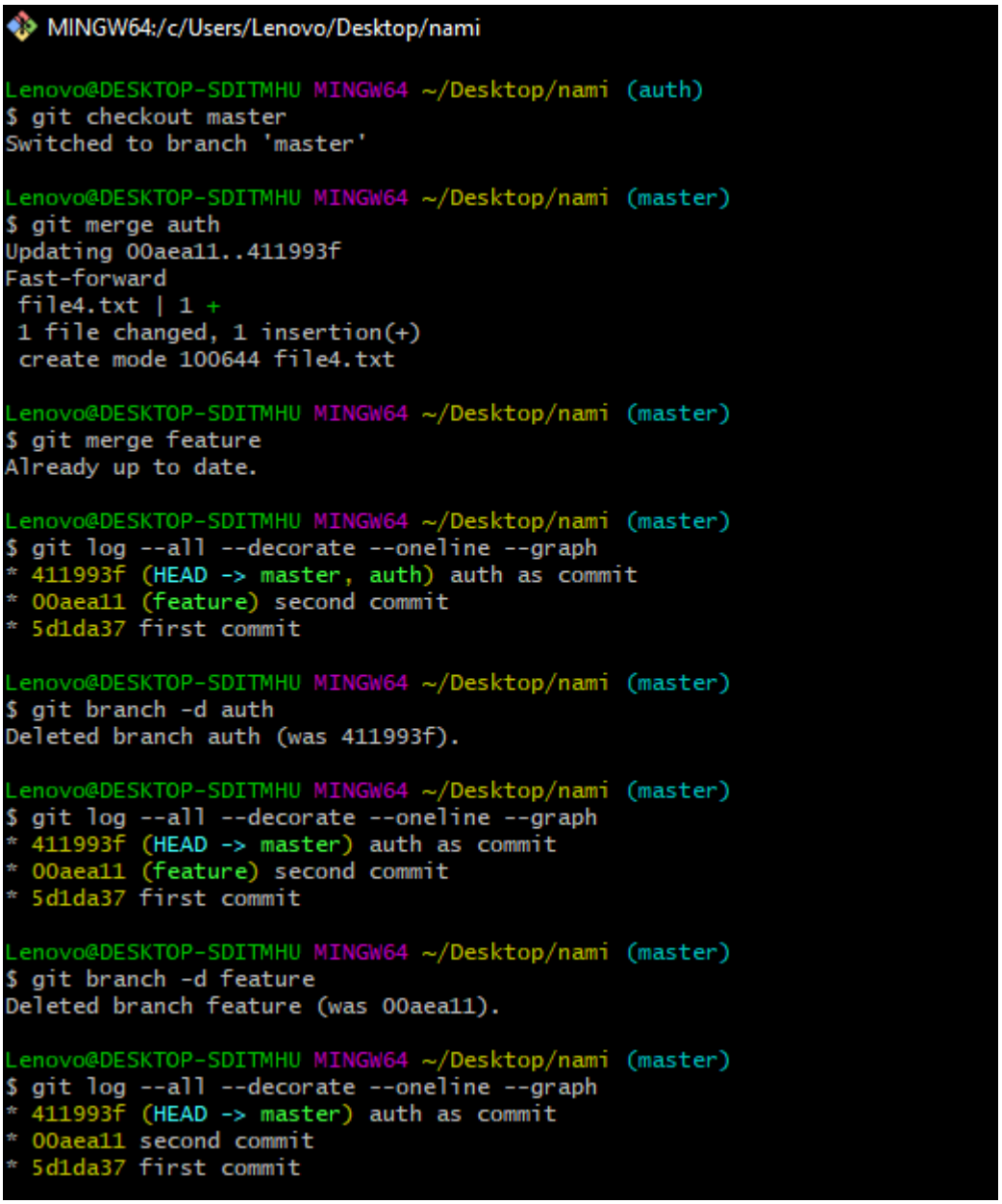

MINGW64:/c/Users/Lenovo/Desktop/nami
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)
$ git checkout  d39afce1356bcc56fe0d46935e06320c09bc03ac
Note: switching to 'd39afce1356bcc56fe0d46935e06320c09bc03ac'.
You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.
If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:
git switch -c <new-branch-name>
Or undo this operation with:
git switch -
Turn off this advice by setting config variable advice.detachedHead to false
HEAD is now at d39afce first commit
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami ((d39afce...))
$


MINGW64:/c/Users/Lenovo/Desktop/nami
HEAD is now at 5d1da37 first commit
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami ((5d1da37...))
$ git log
commit 5d1da3783ba2a1b8cf995f4acc5838e1247252e7 (HEAD)
Author: namitha <namithats2022@mca.ajce.in>
Date: Wed Jun 23 16:33:46 2021 +0530
first commit
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami ((5d1da37...))
$ git log --all
commit 00aea11d4f55fbd9bdc08477cb69c39c593dabc2 (master)
Author: namitha <namithats2022@mca.ajce.in>
Date: Wed Jun 23 16:35:25 2021 +0530
second commit
commit 5d1da3783ba2a1b8cf995f4acc5838e1247252e7 (HEAD)
Author: namitha <namithats2022@mca.ajce.in>
Date: Wed Jun 23 16:33:46 2021 +0530
first commit
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami ((5d1da37...))
$ git checkout 00aea11d4f55fbd9bdc08477cb69c39c593dabc2
Previous HEAD position was 5d1da37 first commit
HEAD is now at 00aea11 second commit
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami ((00aea11...))
$ git log
commit 00aea11d4f55fbd9bdc08477cb69c39c593dabc2 (HEAD, master)
Author: namitha <namithats2022@mca.ajce.in>
Date: Wed Jun 23 16:35:25 2021 +0530
second commit
commit 5d1da3783ba2a1b8cf995f4acc5838e1247252e7
Author: namitha <namithats2022@mca.ajce.in>
Date: Wed Jun 23 16:33:46 2021 +0530
first commit
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami ((00aea11...))
$ git log --all --decorate --oneline --graph
* 00aea11 (HEAD, master) second commit
* 5d1da37 first commit


MINGW64:/c/Users/Lenovo/Desktop/nami
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami ((00aea11...))
$ git branch feature
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami ((00aea11...))
$ git branch
* (HEAD detached at 00aea11)
feature
master
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami ((00aea11...))
$ git branch auth
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami ((00aea11...))
$ git branch
* (HEAD detached at 00aea11)
auth
feature
master


Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami ((00aea11...))
$ git checkout feature
Switched to branch 'feature'
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (feature)
$ git log --all --decorate --oneline --graph
* 00aea11 (HEAD -> feature, master, auth) second commit
* 5d1da37 first commit

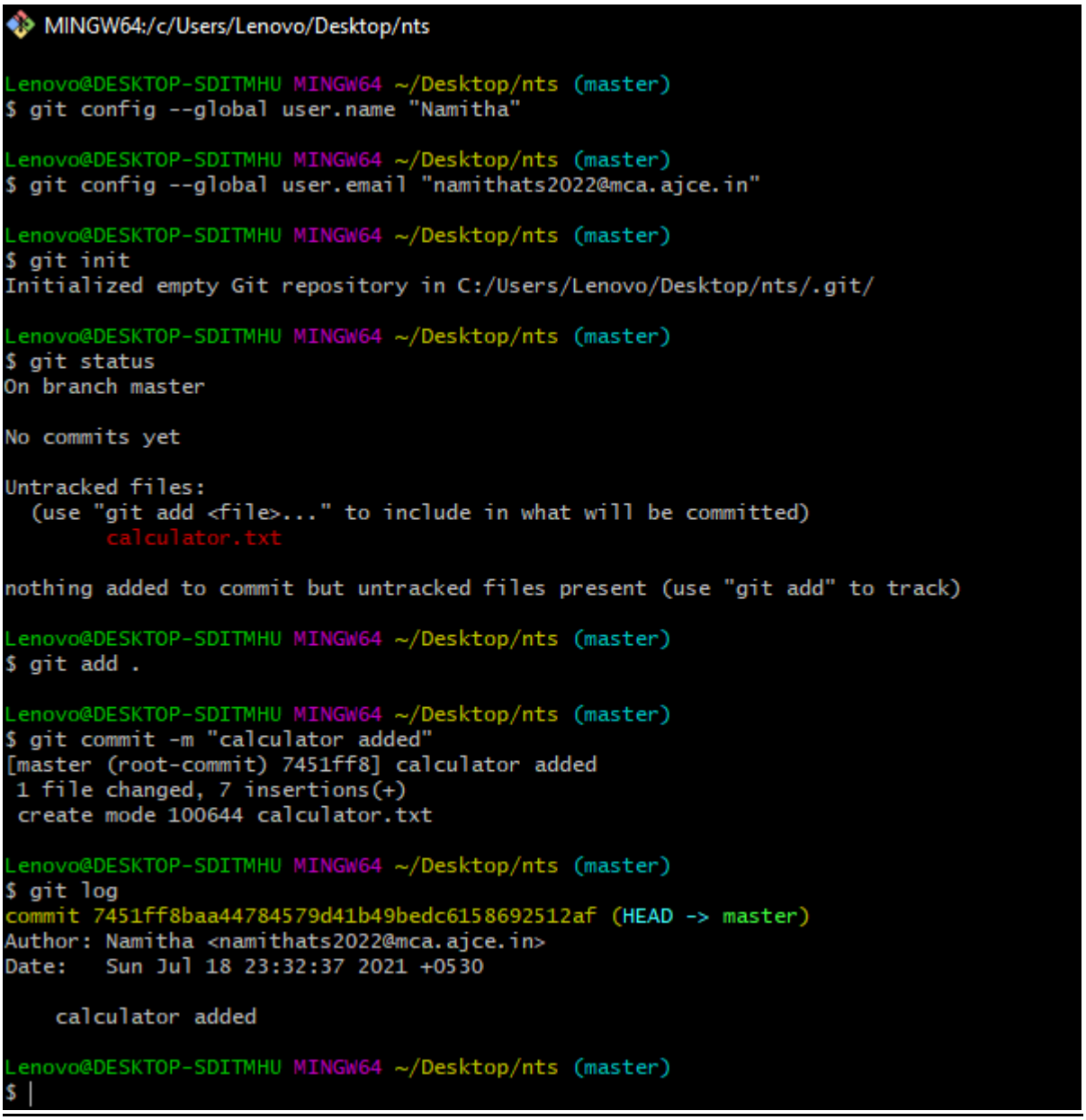
```
MINGW64:/c/Users/Lenovo/Desktop/nami
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (feature)
$ git checkout auth
Switched to branch 'auth'

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (auth)
$ git log --all --decorate --oneline --graph
* 00aea11 (HEAD -> auth, master, feature) second commit
* 5d1da37 first commit

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (auth)
$ git status
On branch auth
nothing to commit, working tree clean

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (auth)
$ git status
On branch auth
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        file4.txt

nothing added to commit but untracked files present (use "git add" to track)

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (auth)
$ git add .

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (auth)
$ git commit -m "auth as commit"
[auth 411993f] auth as commit
 1 file changed, 1 insertion(+)
 create mode 100644 file4.txt

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (auth)
$ git status
On branch auth
nothing to commit, working tree clean

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (auth)
$ git log
commit 411993f56a845002a75657e27587b0fd25a024f9 (HEAD -> auth)
Author: namitha <namithats2022@mca.ajce.in>
Date:   Wed Jun 23 16:48:47 2021 +0530

    auth as commit

commit 00aea11d4f55fbd9bdc08477cb69c39c593dabc2 (master, feature)
Author: namitha <namithats2022@mca.ajce.in>
Date:   Wed Jun 23 16:35:25 2021 +0530

    second commit
```

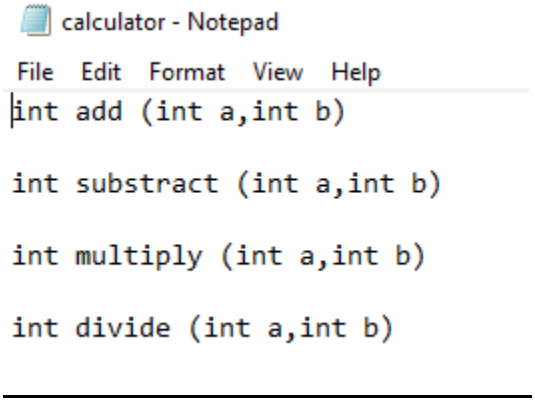

MINGW64:/c/Users/Lenovo/Desktop/nami
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (auth)
$ git checkout master
Switched to branch 'master'
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)
$ git merge auth
Updating 00aea11..411993f
Fast-forward
file4.txt | 1 +
1 file changed, 1 insertion(+)
create mode 100644 file4.txt
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)
$ git merge feature
Already up to date.
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)
$ git log --all --decorate --oneline --graph
* 411993f (HEAD -> master, auth) auth as commit
* 00aea11 (feature) second commit
* 5d1da37 first commit
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)
$ git branch -d auth
Deleted branch auth (was 411993f).
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)
$ git log --all --decorate --oneline --graph
* 411993f (HEAD -> master) auth as commit
* 00aea11 (feature) second commit
* 5d1da37 first commit
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)
$ git branch -d feature
Deleted branch feature (was 00aea11).
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nami (master)
$ git log --all --decorate --oneline --graph
* 411993f (HEAD -> master) auth as commit
* 00aea11 second commit
* 5d1da37 first commit

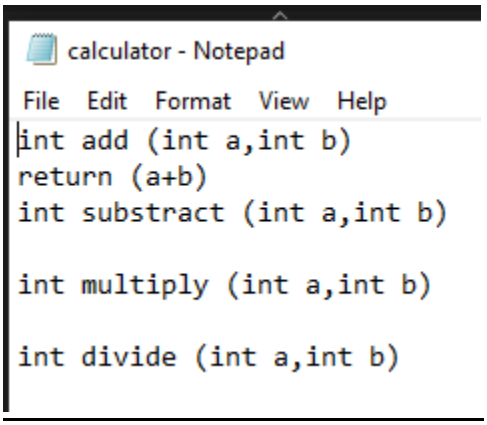
## Merge

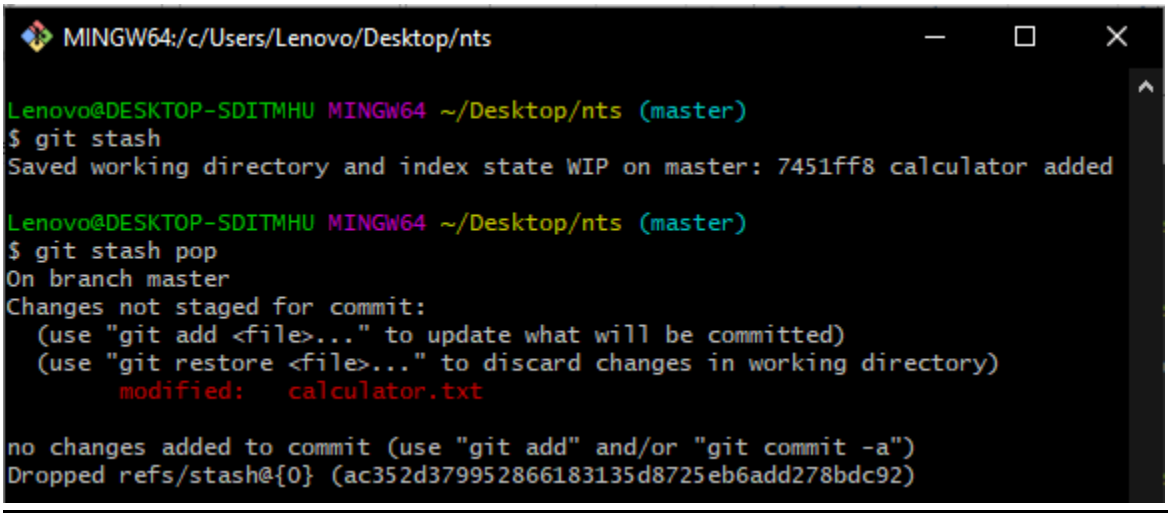
```
MINGW64:/c/Users/Lenovo/Desktop/nm
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nm (master)
$ git config --global user.email "namithats2022@mca.ajce.in"

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nm (master)
$ git init
Initialized empty Git repository in C:/Users/Lenovo/Desktop/nm/.git/

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nm (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        f1.txt

nothing added to commit but untracked files present (use "git add" to track)

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nm (master)
$ git add .

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nm (master)
$ git commit -m "f1 added"
[master (root-commit) 9447890] f1 added
 1 file changed, 4 insertions(+)
 create mode 100644 f1.txt

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nm (master)
$ git branch add

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nm (master)
$ git checkout add
Switched to branch 'add'

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nm (add)
$ git add .

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nm (add)
$ git commit -m "f2 created"
[add 6e64859] f2 created
 1 file changed, 4 insertions(+)
 create mode 100644 f2.txt

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nm (add)
$ git checkout master
Switched to branch 'master'

Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nm (master)
$ git merge add
```

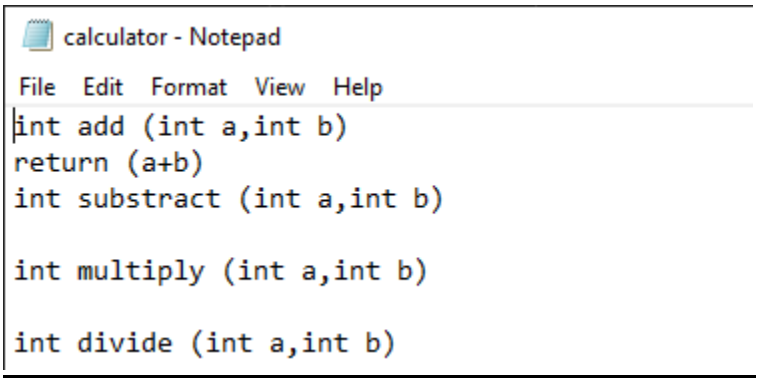
## Stash


MINGW64:/c/Users/Lenovo/Desktop/nts
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nts (master)
$ git config --global user.name "Namitha"
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nts (master)
$ git config --global user.email "namithats2022@mca.ajce.in"
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nts (master)
$ git init
Initialized empty Git repository in C:/Users/Lenovo/Desktop/nts/.git/
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nts (master)
$ git status
On branch master
No commits yet
Untracked files:
(use "git add <file>..." to include in what will be committed)
calculator.txt
nothing added to commit but untracked files present (use "git add" to track)
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nts (master)
$ git add .
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nts (master)
$ git commit -m "calculator added"
[master (root-commit) 7451ff8] calculator added
1 file changed, 7 insertions(+)
create mode 100644 calculator.txt
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nts (master)
$ git log
commit 7451ff8baa44784579d41b49bedc6158692512af (HEAD -> master)
Author: Namitha <namithats2022@mca.ajce.in>
Date: Sun Jul 18 23:32:37 2021 +0530
calculator added
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nts (master)
$


calculator - Notepad
File Edit Format View Help
int add (int a,int b)
int substract (int a,int b)
int multiply (int a,int b)
int divide (int a,int b)


calculator - Notepad
File Edit Format View Help
int add (int a,int b)
return (a+b)
int substract (int a,int b)
int multiply (int a,int b)
int divide (int a,int b)


MINGW64:/c/Users/Lenovo/Desktop/nts
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nts (master)
$ git stash
Saved working directory and index state WIP on master: 7451ff8 calculator added
Lenovo@DESKTOP-SDITMHU MINGW64 ~/Desktop/nts (master)
$ git stash pop
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: calculator.txt
no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} (ac352d379952866183135d8725eb6add278bdc92)


calculator - Notepad
File Edit Format View Help
int add (int a,int b)
return (a+b)
int substract (int a,int b)
int multiply (int a,int b)
int divide (int a,int b)