

Module-2: GIT Assignment - 2

Do the following tasks:

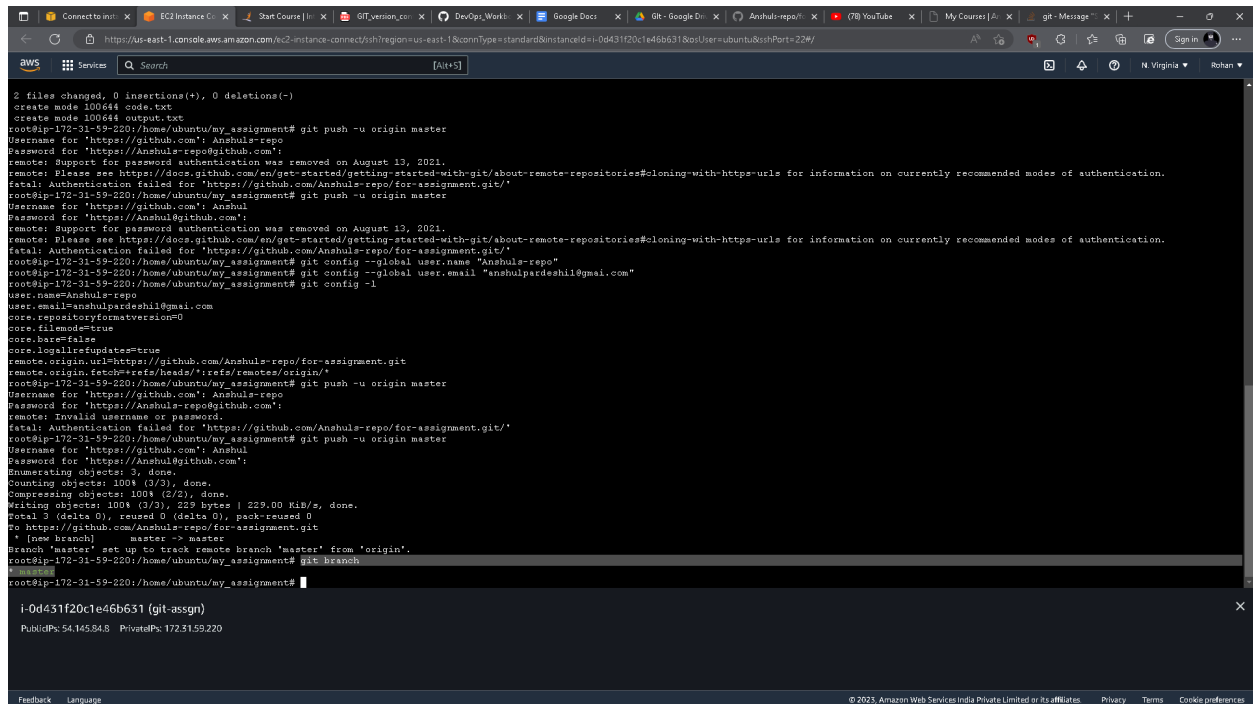
- Create a git working directory with feature1.txt and feature2.txt in the master branch
- Create 3 branches develop, feature1 and feature2
- In develop branch create develop.txt, do not stage or commit it
- Stash this file, and checkout to feature1 branch
- Create new.txt file in feature1 branch, stage and commit this file
- Checkout to develop, unstash this file and commit Please submit all the git commands used to do the above steps

Create a working directory using mkdir <directory name>

Initialize using git init

Use the git branch to check the current branch which is master.

Touch feature1.txt feature2.txt.



```
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 code.txt
create mode 100644 output.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git push -u origin master
Username for 'https://github.com': Anshul-repo
Password for 'https://Anshul-repo@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/Anshul-repo/for-assignment.git/'
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git push -u origin master
Username for 'https://github.com': Anshul
Password for 'https://Anshul@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/Anshul-repo/for-assignment.git/'
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git config --global user.name "Anshul-repo"
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git config --global user.email "anshulparideshi@gmail.com"
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git config -l
user.name=Anshul-repo
user.email=anshulparideshi@gmail.com
core.repositoryformatversion=0
core.filemode=true
core.bare=false
core.logallrefupdates=true
remote.origin.url=https://github.com/Anshul-repo/for-assignment.git
remote.origin.fetch=https://github.com/Anshul-repo/for-assignment.git
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git push -u origin master
Username for 'https://github.com': Anshul-repo
Password for 'https://Anshul-repo@github.com':
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/Anshul-repo/for-assignment.git/'
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git push -u origin master
Username for 'https://github.com': Anshul
Password for 'https://Anshul@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 229 bytes | 229.00 Kib/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Anshul-repo/for-assignment.git
+ [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git branch
* master
root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

i:0d431f20c1e46b631 (git-assign)

Public IP: 54.145.54.8 Private IP: 172.31.59.220

Create 3 branches.

Git brach develop

Git branch feature1

Git brach feature 2

```
ori: git branch [options] [-l] [-f] <branch-name> [<start-point>]
ori: git branch [options] [-d] [-D] <branch-name>...
ori: git branch [options] (-m | -M) <old-branch> <new-branch>
ori: git branch [options] (-c | -C) <old-branch> <new-branch>
ori: git branch [options] [-r] [-a] [--points-to]
ori: git branch [options] [-c | -a] [--format]

Generic options
-v, --verbose      show hash and subject, give twice for upstream branch
-q, --quiet        suppress informational messages
-t, --track        set up tracking mode (see git-pull(1))
-u, --set-upstream-to <upstream>      change the upstream info
--unset-upstream   unset the upstream info
--color[=<when>]   use colored output
-r, --remotes      set on remote-tracking branches
--contains <commit>  print only branches that contain the commit
--no-contains <commit>  print only branches that don't contain the commit
--abbrev[=<n>]      use <n> digits to display object names

Specific git-branch actions:
-a, --all          list both remote-tracking and local branches
-d, --delete        delete fully merged branch
-D                delete branch (even if not merged)
-m, --move          move/rename a branch and its reflog
-M                move/rename a branch, even if target exists
-c, --copy          copy a branch and its reflog
-C                copy a branch, even if target exists
-l, --list          list branch names
--show-current      show current branch name
--create-reflog     create the branch's reflog
--edit-description  edit the description for the branch
-f, --force          force creation, move/rename, deletion
--merged <commit>   print only branches that are merged
--no-merged <commit>  print only branches that are not merged
--column[=<style>]  list branches in columns
--sort <key>        field name to sort on
--points-to <object>  print only branches of the object
-i, --ignore-case    sorting and filtering are case insensitive
--format <format>    format to use for the output

root@ip-172-31-59-220:/home/ubuntu/my_assignment# git branch develop
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git branch feature1
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git branch feature2
root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

l-0d431f20c1e46b631 (git-assign)

PublicIP: 54.145.84.8 PrivateIP: 172.31.59.220

Feedback Language

© 2023, Amazon Web Services India Private Limited or its affiliates Privacy Terms Cookie preferences

Use: git branch to see all branches.
* indicates current branch.

```
or: git branch [<options>] [-r | -a] [--format]

generic options
-v, --verbose      show hash and subject, give twice for upstream branch
-q, --quiet        suppress informational messages
-t, --track        set up tracking mode (see git-pull(1))
-u, --set-upstream-to <upstream>
                  change the upstream info
--unset-upstream   unset the upstream info
--color[=<when>]   use colored output
-r, --remotes      act on remote-tracking branches
--contains <commit> print only branches that contain the commit
--no-contains <commit>
                  print only branches that don't contain the commit
--abbrev[=<n>]     use <n> digits to display object names

Specific git-branch actions:
-a, --all          list both remote-tracking and local branches
-d, --delete       delete fully merged branch
-D               delete branch (even if not merged)
-m, --move         move/rename a branch and its reflog
-M               move/rename a branch, even if target exists
-c, --copy         copy a branch and its reflog
-C               copy a branch, even if target exists
-l, --list         list branch names
--show-current     show current branch name
--create-reflog    create the branch's reflog
--edit-description edit the description for the branch
-f, --force        force creation, move/rename, deletion
--merged <commit> print only branches that are merged
--no-merged <commit>
                  print only branches that are not merged
--column[=<style>] list branches in columns
--sort <key>       field name to sort on
--points-at <object>
                  print only branches of the object
-i, --ignore-case  sorting and filtering are case insensitive
--format <format> format to use for the output

root@ip-172-31-59-220:/home/ubuntu/my_assignment# git branch develop
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git branch feature1
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git branch feature2
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git branch
  develop
* feature1
  feature2
* master
root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

i-0d431f20c1e46b631 (git-assign)
PublicIPs: 54.145.84.8 PrivateIPs: 172.31.59.220

checkout to develop branch using: git checkout <branch name to which>

```
--unset-upstream   unset the upstream info
--color[=<when>]   use colored output
-r, --remotes      act on remote-tracking branches
--contains <commit> print only branches that contain the commit
--no-contains <commit>
                  print only branches that don't contain the commit
--abbrev[=<n>]     use <n> digits to display object names

Specific git-branch actions:
-a, --all          list both remote-tracking and local branches
-d, --delete       delete fully merged branch
-D               delete branch (even if not merged)
-m, --move         move/rename a branch and its reflog
-M               move/rename a branch, even if target exists
-c, --copy         copy a branch and its reflog
-C               copy a branch, even if target exists
-l, --list         list branch names
--show-current     show current branch name
--create-reflog    create the branch's reflog
--edit-description edit the description for the branch
-f, --force        force creation, move/rename, deletion
--merged <commit> print only branches that are merged
--no-merged <commit>
                  print only branches that are not merged
--column[=<style>] list branches in columns
--sort <key>       field name to sort on
--points-at <object>
                  print only branches of the object
-i, --ignore-case  sorting and filtering are case insensitive
--format <format> format to use for the output

root@ip-172-31-59-220:/home/ubuntu/my_assignment# git branch develop
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git branch feature1
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git branch feature2
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git branch
  develop
* feature1
  feature2
* master
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git checkout develop
Switched to branch 'develop'
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git branch
  develop
* feature1
  feature2
* master
root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

i-0d431f20c1e46b631 (git-assign)
PublicIPs: 54.145.84.8 PrivateIPs: 172.31.59.220

Git stash

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

```
fatal: unknown subcommand: develop.txt

usage: git stash list [<options>]
or: git stash show [<options>] [<stash>]
or: git stash drop [-q|--quiet] [<stash>]
or: git stash ( pop | apply ) [--index] [-q|--quiet] [<stash>]
or: git stash branch <branchname> [<stash>]
or: git stash clear
or: git stash [push [-p|--patch] [-k|--[no-]keep-index] [-q|--quiet]
    [-u|--include-untracked] [-a|--all] [-m|--message <message>]
    [--pathspec from-files=<file>] [--pathspec-file-null]
    [--] [<pathspec>...]]
or: git stash save [-p|--patch] [-k|--[no-]keep-index] [-q|--quiet]
    [-u|--include-untracked] [-a|--all] [<message>]

root@ip-172-31-59-220:/home/ubuntu/my_assignment# git checkout develop
Already on 'develop'
root@ip-172-31-59-220:/home/ubuntu/my_assignment# ls
code.txt develop.txt feature1.txt feature2.txt log.txt output.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git log
commit 766fa7c8d14b3520e68d03a897ac237a1dbb08 (HEAD -> develop, origin/master, master, feature2, feature1)
Author: root <root@ip-172-31-59-220.ec2.internal>
Date:   Mon Feb 6 05:33:16 2023 +0000

    for assignment

root@ip-172-31-59-220:/home/ubuntu/my_assignment# git stash push develop.txt
error: pathspec '(:(prefix:0)develop.txt)' did not match any file(s) known to git
Did you forget to 'git add'?
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git add develop.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git status
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)
    feature1.txt
    feature2.txt
    log.txt

root@ip-172-31-59-220:/home/ubuntu/my_assignment# git stash
Saved working directory and index state WIP on develop: 766fa7c for assignment
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git checkout feature1
Switched to branch 'feature1'
root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

```
code.txt develop.txt feature1.txt feature2.txt log.txt output.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git log
commit 766fa7c8d14b3520e68d03a897ac237a1dbb08 (HEAD -> develop, origin/master, master, feature2, feature1)
Author: root <root@ip-172-31-59-220.ec2.internal>
Date:   Mon Feb 6 05:33:16 2023 +0000

    for assignment

root@ip-172-31-59-220:/home/ubuntu/my_assignment# git stash push develop.txt
error: pathspec '(:(prefix:0)develop.txt)' did not match any file(s) known to git
Did you forget to 'git add'?
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git add develop.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git status
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)
    feature1.txt
    feature2.txt
    log.txt

root@ip-172-31-59-220:/home/ubuntu/my_assignment# git stash
Saved working directory and index state WIP on develop: 766fa7c for assignment
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git checkout feature1
Switched to branch 'feature1'
root@ip-172-31-59-220:/home/ubuntu/my_assignment# touch new.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git add new.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git status
On branch feature1
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   new.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    feature1.txt
    feature2.txt
    log.txt

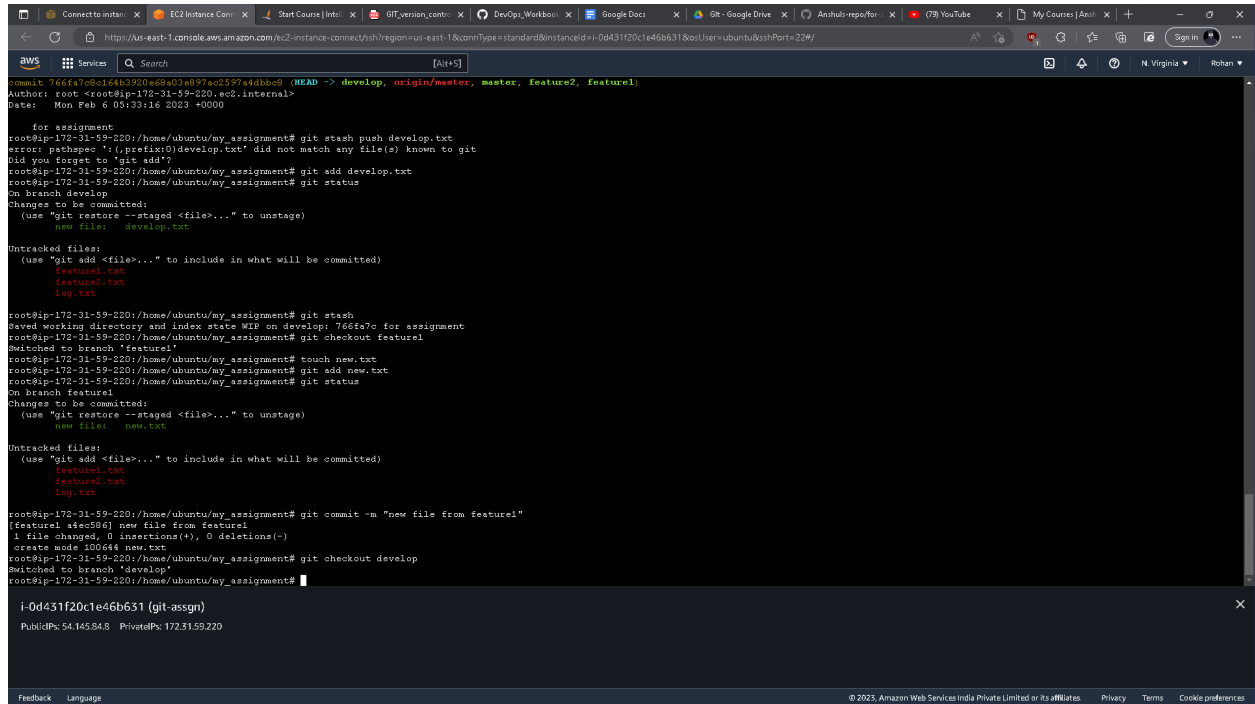
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git commit -m "new file from feature1"
[feature1 81e096] new file from feature1
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 new.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

git checkout feature1

Touch new.txt

Git add new.txt

Git commit -m "new file in feature1 branch"



```
commit 766fa7c0d14b3720e68a03e077ac2597a4dbb08 (HEAD -> develop, origin/master, master, feature2, feature1)
Author: root <root@ip-172-31-59-220.ec2.internal>
Date:   Mon Feb 6 05:33:16 2023 +0000

    for assignment
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git stash push develop.txt
error: pathspec ':(prefix=0)develop.txt' did not match any file(s) known to git
Did you forget to "git add"?
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git add develop.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git status
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)
        feature1.txt
        feature2.txt
        log.txt

root@ip-172-31-59-220:/home/ubuntu/my_assignment# git stash
Saved working directory and index state WIP on develop: 766fa7c for assignment
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git checkout feature1
Switched to branch "feature1"
root@ip-172-31-59-220:/home/ubuntu/my_assignment# touch new.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git add new.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git status
On branch feature1
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   new.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        feature1.txt
        feature2.txt
        log.txt

root@ip-172-31-59-220:/home/ubuntu/my_assignment# git commit -m "new file from feature1"
[feature1 a4ec586] new file from feature1
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 new.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git checkout develop
Switched to branch "develop"
root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

i-0d431f20c1e46b631 (git-assign)

PubIdP: 54.145.94.8 PrivateP: 172.31.59.220

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates Privacy Terms Cookie preferences

git checkout develop

git stash pop

Git commit -m "stashed file committed"

```
root@ip-172-31-59-220:/home/ubuntu/my_assignment# touch new.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git add new.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git status
On branch feature1
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   new.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    feature1.txt
    feature2.txt
    log.txt

root@ip-172-31-59-220:/home/ubuntu/my_assignment# git commit -m "new file from feature1"
[feature1 44ec586] new file from feature1
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 new.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git checkout develop
Switched to branch 'develop'
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git stash drop
Dropped refs/stash@{0} (a9d929757dc63c9a7b84f81ca858a0e95db98e)
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git status
On branch develop
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    feature1.txt
    feature2.txt
    log.txt

nothing added to commit but untracked files present (use "git add" to track)
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git stash list
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git stash apply a9d929757dc63c9a7b84f81ca858a0e95db98e
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)
    feature1.txt
    feature2.txt
    log.txt

root@ip-172-31-59-220:/home/ubuntu/my_assignment# git stash list
root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

```
new file:   new.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    feature1.txt
    feature2.txt
    log.txt

root@ip-172-31-59-220:/home/ubuntu/my_assignment# git commit -m "new file from feature1"
[feature1 44ec586] new file from feature1
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 new.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git checkout develop
Switched to branch 'develop'
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git stash drop
Dropped refs/stash@{0} (a9d929757dc63c9a7b84f81ca858a0e95db98e)
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git status
On branch develop
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    feature1.txt
    feature2.txt
    log.txt

nothing added to commit but untracked files present (use "git add" to track)
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git stash list
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git stash apply a9d929757dc63c9a7b84f81ca858a0e95db98e
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)
    feature1.txt
    feature2.txt
    log.txt

root@ip-172-31-59-220:/home/ubuntu/my_assignment# git stash list
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git commit develop.txt
Aborting commit due to empty commit message.
root@ip-172-31-59-220:/home/ubuntu/my_assignment# git commit -m "develop"
[develop 44a6001] develop
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 develop.txt
root@ip-172-31-59-220:/home/ubuntu/my_assignment#
```

