$Title: Version\ Control\ System-GIT-mv,rm,reset$

Date: 06/01/2021

Name: Sheik Abudhahir K

Git my command:

```
### Windowsking Proposed Numbers (*/git/project2 (master) is in the project of th
```

Here git my command is used before and after commit.

Git mv with git diff --staged command:

```
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```

Here diff -staged shows the difference in staged state and recent commit state

Git rm command:

```
And Andrewske property (Seaster)

Andrewske property (Seaster)
```

Here I use rm before commit and after commit

Git tag:

```
MINGW64:/e/git/assignment
ksabu@DESKTOP-KP9RBTM MINGW64 /e/git/tagdemo (master)
$ git tag -a v2.0.0 -m "Latest commit version"
v2.0.0
$ git show v2.0.0
Tagger: Abu Sharp <k.s.abudhahir@gmail.com>
Date: Wed Jan 6 22:44:44 2021 +0530
Latest commit version
  ommit 9a7abb0b23de53167f33a0b0422dd3830fbb5647 (HEAD -> master, tag: v2.0.0)
Author: Abu Sharp <k.s.abudhahir@gmail.com>
Date: Wed Jan 6 22:43:31 2021 +0530
    last commit
diff --git a/file.txt b/file.txt
index 70c379b..474c5a3 100644
  -- a/file.txt
 +++ b/file.txt
  @ -1 +1,2 @@
Hello world
\ No newline at end of file
$ git log b72d9b2
commit b72d9b2fccf238e9b9a7622d9585a48a28b56fff
Author: Abu Sharp <k.s.abudhahir@gmail.com>
Date: Wed Jan 6 22:42:30 2021 +0530
    first commit
$ git tag -a v1.0.0 -m "First commit version"
$ git tag
v1.0.0
v2.0.0
$ git show v1.0.0
Tagger: Abu Sharp <k.s.abudhahir@gmail.com>
Date: Wed Jan 6 22:45:29 2021 +0530
First commit version
  ommit 9a7abb0b23de53167f33a0b0422dd3830fbb5647 (HEAD -> master, tag: v2.0.0, tag: v1.0.0)
Author: Abu Sharp <k.s.abudhahir@gmail.com>
Date: Wed Jan 6 22:43:31 2021 +0530
    last commit
diff --git a/file.txt b/file.txt
index 70c379b..474c5a3 100644
  -- a/file.txt
+++ b/file.txt
 00 -1 +1,2 00
 Hello world
\ No newline at end of file
```

Here I mention 2 versions of commit.

Git clone:

```
ksabu@DESKTOP-KP9RBTM MINGW64 /e/git/assignment

$ git clone https://github.com/AbuSharp1215/SAU-2021-Jan-Batch-Hyderabad.git
Cloning into 'SAU-2021-Jan-Batch-Hyderabad'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (6/6), done.

ksabu@DESKTOP-KP9RBTM MINGW64 /e/git/assignment

$
```

Git reset:

```
ksabu@DESKTOP-KP9RBTM MINGW64 /e/git/branch (master)
$ git status
On branch master
Untracked files:
 (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
csabu@DESKTOP-KP9RBTM MINGW64 /e/git/branch (master)
$ git add reset.txt
sabu@DESKTOP-KP9RBTM MINGW64 /e/git/branch (master)
$ git status
On branch master
Changes to be committed:
 (use "git restore --staged <file>..." to unstage)
       new file: reset.txt
csabu@DESKTOP-KP9RBTM MINGW64 /e/git/branch (master)
$ git reset reset.txt
csabu@DESKTOP-KP9RBTM MINGW64 /e/git/branch (master)
$ git status
On branch master
Untracked files:
 (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
```

Git reset <file> - unstage the changes of file from staging area

```
sabu@DESKTOP-KP9RBTM MINGW64 /e/git/branch (master)
$ git diff
diff --git a/reset.txt b/reset.txt
index 70c379b..244d3af 100644
--- a/reset.txt
+++ b/reset.txt
00 -1 +1,2 00
 No newline at end of file
 Hello world
 No newline at end of file
 sabu@DESKTOP-KP9RBTM MINGW64 /e/git/branch (master)
 git add reset.txt
 sabu@DESKTOP-KP9RBTM MINGW64 /e/git/branch (master)
 git diff
 sabu@DESKTOP-KP9RBTM MINGW64 /e/git/branch (master)
$ git reset
Unstaged changes after reset:
       reset.txt
 sabu@DESKTOP-KP9RBTM MINGW64 /e/git/branch (master)
$ git diff
diff --git a/reset.txt b/reset.txt
index 70c379b..244d3af 100644
 -- a/reset.txt
+++ b/reset.txt
@@ -1 +1,2 @@
\ No newline at end of file
Hello world
 No newline at end of file
```

Git reset – reset the staging area & remove the changes of file from staging area

```
ksabu@DESKTOP-KP9RBTM MINGW64 /e/git/branch (master)
$ git reset 7bb9e79
Unstaged changes after reset:
Y reset.txt
```

Git reset commitid – reset the head pointer to the commit id

```
ksabu@DESKTOP-KP9RBTM MINGW64 <mark>/e/git/branch (master)</mark>
$ git reset --hard HEAD~1
HEAD is now at dc8e7b1 commit6
```

--hard HEAD~1 – reset staging area and working tree (delete the last committed file)

