Kalai Chelvan

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# List of files in my Directory

```
chelvankn@chelvan-kn MINGW64 ~/hellokn (master) $ ls
Hello.java Hello2.java README.md sam.txt
Already added the hello.java and README.md in git
(ignore) Sam.txt is a temp file
```

# 1. Git add

Creating a new file hello2.java and adding to git

### 2. Git rm

Deleted the Hello2.java and removed from git using rm command.

```
chelvankn@chelvan-kn MINGW64 ~/hellokn (master)
$ ls
Hello.java README.md sam.txt

chelvankn@chelvan-kn MINGW64 ~/hellokn (master)
$ git rm Hello2.java

chelvankn@chelvan-kn MINGW64 ~/hellokn (master)
$ git status
On branch master
Untracked files:
    (use "git add <file>..." to include in what will be committed)
    sam.txt

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

chelvankn@chelvan-kn MINGW64 ~/hellokn (master)
$ git log
commit a5e488415553dff30dc6aee40eed4b66c2c52df3 (HEAD -> master, origin/master)
Author: kalaichelvan-kn <alaichelvan294@gmail.com>
Date: Wed Jan 6 16:23:30 2021 +0530

Initial commit

chelvankn@chelvan-kn MINGW64 ~/hellokn (master)
$ git commit -m "after rm"
On branch master
Untracked files:
    (use "git add <file>..." to include in what will be committed)
    sam.txt

nothing added to commit but untracked files present (use "git add" to track)
chelvankn@chelvan-kn MINGW64 ~/hellokn (master)

sam.txt

nothing added to commit but untracked files present (use "git add" to track)
chelvankn@chelvan-kn MINGW64 ~/hellokn (master)
```

#### 3. Git mv

Renamed rename.temp to renameNew.temp, applied to git using mv command

Added to git and committed.

#### 4. Git diff

Added a new comment line in hello.java file

## 5. Git tag

Added a tag at last for major release point

```
chelvankn@chelvan-kn MINGW64 ~/hellokn (master)
$ git tag -a v1.0.0 -m "Intial hello.java"

chelvankn@chelvan-kn MINGW64 ~/hellokn (master)
$ git tag
v1.0.0

chelvankn@chelvan-kn MINGW64 ~/hellokn (master)
$ git show v1.0.0

tag v1.0.0

Tagger: kalaichelvan-kn <kalaichelvan294@gmail.com>
Date: Wed Jan 6 20:19:11 2021 +0530

Intial hello.java

commit 45flecef7f89a7c892249ec81f0b437335f12fle (HEAD -> master, tag: v1.0.0)
Author: kalaichelvan-kn <kalaichelvan294@gmail.com>
Date: Wed Jan 6 19:54:07 2021 +0530

new file rename

diff --git a/rename.temp b/rename.temp
new file mode 100644
index 0000000..e69de29

chelvankn@chelvan-kn MINGW64 ~/hellokn (master)
```

```
chelvankn@chelvan-kn MINGW64 /k/accolite/AccoliteGit
$ git clone https://github.com/kalaichelvan-kn/SAU-2021-Jan-Batch-Hyderabad
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.
chelvankn@chelvan-kn MINGW64 /k/accolite/AccoliteGit
$ cd SAU-2021-Jan-Batch-Hyderabad/
chelvankn@chelvan-kn MINGW64 /k/accolite/AccoliteGit/SAU-2021-Jan-Batch-Hyderabad (main)
$ |
```

Committed the changes and pushed into cloned repo.

```
new file: Version Control System GIT - Afternoon/Screeenshots/clone.png
new file: Version Control System GIT - Afternoon/Screeenshots/diff.png
new file: Version Control System GIT - Afternoon/Screeenshots/mv.png
new file: Version Control System GIT - Afternoon/Screeenshots/mv.png
new file: Version Control System GIT - Afternoon/Screeenshots/mv.png
new file: Version Control System GIT - Afternoon/Screeenshots/tag.png

chelvankn@chelvan-kn MINGW64 /k/accolite/AccoliteGit/SAU-2021-Jan-Batch-Hyderabad (main)

§ git commit -m "GIT Assignment initial commit"
[main le62b4d] GIT Assignment initial commit

7 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Version Control System GIT - Afternoon/Screeenshots/add.png
create mode 100644 Version Control System GIT - Afternoon/Screeenshots/clone.png
create mode 100644 Version Control System GIT - Afternoon/Screeenshots/diff.png
create mode 100644 Version Control System GIT - Afternoon/Screeenshots/mpg
create mode 100644 Version Control System GIT - Afternoon/Screeenshots/mpg
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create mode 100644 Version Control System GIT - Afternoon/Screeenshots/mpg
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create mode 100644 Version Control System GIT - Afternoon/Screeenshots/mpg
create mode 100644 Version
```

6. Git reset

```
nkn@chelvan-kn MINGW64 ~/hellokn (master)
s git log
commit 5d2b71d23f2a16e8dc706cee46edd1a0af988a8e (HEAD -> master, origin/master)
Author: kalaichelvan-kn <kalaichelvan294@gmail.com>
Date: Fri Jan 8 08:03:33 2021 +0530
commit dc1a1c927c3dab9f1f6d0e0eb2110efde8105f9f
Author: kalaichelvan-kn <kalaichelvan294@gmail.com>
Date: Fri Jan 8 08:02:47 2021 +0530
       commit - 1
commit 45f1ecef7f89a7c892249ec81f0b437335f12f1e (tag: v1.0.0)
Author: kalaichelvan-kn <kalaichelvan294@gmail.com>
Date: Wed Jan 6 19:54:07 2021 +0530
       new file rename
chelvankn@chelvan-kn MINGW64 ~/hellokn (master)
$ git reset --soft 45flecef7f89a7c892249ec81f0b437335f12f1e
 chelvankn@chelvan-kn MINGW64 ~/hellokn (master)
$ git log
commit 45flecef7f89a7c892249ec81f0b437335f12fle (HEAD -> master, tag: v1.0.0)
Author: kalaichelvan-kn <kalaichelvan294@gmail.com>
Date: Wed Jan 6 19:54:07 2021 +0530
       new file rename
commit 6ca6adf26e67e135633dd43388b6076dec106ea6
Author: kalaichelvan-kn <kalaichelvan294@gmail.com>
Date: Wed Jan 6 19:52:00 2021 +0530
       after rm
commit a5e488415553dff30dc6aee40eed4b66c2c52df3
Author: kalaichelvan-kn <kalaichelvan294@gmail.com>
Date: Wed Jan 6 16:23:30 2021 +0530
        Initial commit
  helvankn@chelvan-kn MINGW64 ~/hellokn (master)
```

#### Git merge conflicts