

1.

```
bhaukal@Aditya:~/celebal$ touch file.sh
bhaukal@Aditya:~/celebal$ ls -l file.sh
-rw-r--r-- 1 bhaukal bhaukal 0 May 24 22:17 file.sh
bhaukal@Aditya:~/celebal$ chmod u+rw file.sh
bhaukal@Aditya:~/celebal$ ls -l file.sh
-rwxr--r-- 1 bhaukal bhaukal 0 May 24 22:17 file.sh
bhaukal@Aditya:~/celebal$ chmod o=r file.sh
bhaukal@Aditya:~/celebal$ ls -l file.sh
-rwxr--r-- 1 bhaukal bhaukal 0 May 24 22:17 file.sh
bhaukal@Aditya:~/celebal$ chmod 754 file.sh
bhaukal@Aditya:~/celebal$ ls -l file.sh
-rwxr-xr-- 1 bhaukal bhaukal 0 May 24 22:17 file.sh
bhaukal@Aditya:~/celebal$ chmod 777 file.sh
bhaukal@Aditya:~/celebal$ ls -l file.sh
-rwxrwxrwx 1 bhaukal bhaukal 0 May 24 22:17 file.sh
bhaukal@Aditya:~/celebal$
```

2.

```
bhaukal@Aditya:~/celebal$ ls
file.sh
bhaukal@Aditya:~/celebal$ cd ..
bhaukal@Aditya:~$ cd celebal/
bhaukal@Aditya:~/celebal$ mkdir test
bhaukal@Aditya:~/celebal$ ls
file.sh test
bhaukal@Aditya:~/celebal$ cd test/
bhaukal@Aditya:~/celebal/test$ cd ..
bhaukal@Aditya:~/celebal$ rm test/
rm: cannot remove 'test/': Is a directory
bhaukal@Aditya:~/celebal$ rm -r test/
bhaukal@Aditya:~/celebal$ touch file2
bhaukal@Aditya:~/celebal$ rm file2
bhaukal@Aditya:~/celebal$ |
```

3.

```
bhaukal@Aditya:~/celebal$ mkdir dir1
bhaukal@Aditya:~/celebal$ mkdir dir2
bhaukal@Aditya:~/celebal$ touch file 1
bhaukal@Aditya:~/celebal$ ls
1 dir1 dir2 file
bhaukal@Aditya:~/celebal$ mv file ./dir
bhaukal@Aditya:~/celebal$ ls
1 dir dir1 dir2
bhaukal@Aditya:~/celebal$ mv dir file1
bhaukal@Aditya:~/celebal$ mv 1 dir2
bhaukal@Aditya:~/celebal$ ls
dir1 dir2 file1
bhaukal@Aditya:~/celebal$ ls dir1
1
bhaukal@Aditya:~/celebal$ |
```

4.

```
root@Aditya:~# groupadd newgrp
root@Aditya:~# useradd -m -g newgrp newuser
root@Aditya:~# passwd newuser
New password:
Retype new password:
passwd: password updated successfully
root@Aditya:~# usermod -aG sudo newuser
root@Aditya:~# userdel newuser
root@Aditya:~# groupdel newgrp
root@Aditya:~# |
```

Git is installed

```
PS C:\Users\Aditya Narayan> git --version
git version 2.43.0.windows.1
PS C:\Users\Aditya Narayan> |
```

```
PS C:\Users\Aditya Narayan\Desktop\celebal> git init
Initialized empty Git repository in C:/Users/Aditya Narayan/Desktop/celebal/.git/
PS C:\Users\Aditya Narayan\Desktop\celebal> git add .
PS C:\Users\Aditya Narayan\Desktop\celebal> git commit -m "initial"
[master (root-commit) 33844b7] initial
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 file 1.txt
 create mode 100644 file 2.txt
PS C:\Users\Aditya Narayan\Desktop\celebal> git branch -M main
PS C:\Users\Aditya Narayan\Desktop\celebal> git remote add origin https://github.com/bhaukal01/celebal-week-1.git
PS C:\Users\Aditya Narayan\Desktop\celebal> git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 20 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 218 bytes | 218.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/bhaukal01/celebal-week-1.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
PS C:\Users\Aditya Narayan\Desktop\celebal> |
```

New branch

```
PS C:\Users\Aditya Narayan\Desktop\celebal> git checkout -b new-branch
Switched to a new branch 'new-branch'
PS C:\Users\Aditya Narayan\Desktop\celebal> git add .
PS C:\Users\Aditya Narayan\Desktop\celebal> git commit -m "Add changes on new-branch"
On branch new-branch
nothing to commit, working tree clean
PS C:\Users\Aditya Narayan\Desktop\celebal> git add .
PS C:\Users\Aditya Narayan\Desktop\celebal> git commit -m "Add changes on new-branch"
[new-branch 406a02e] Add changes on new-branch
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 new-branch file.txt
PS C:\Users\Aditya Narayan\Desktop\celebal> git push -u origin new-branch
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 20 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 268 bytes | 268.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'new-branch' on GitHub by visiting:
remote:   https://github.com/bhaukal01/celebal-week-1/pull/new/new-branch
remote:
To https://github.com/bhaukal01/celebal-week-1.git
 * [new branch]      new-branch -> new-branch
branch 'new-branch' set up to track 'origin/new-branch'.
PS C:\Users\Aditya Narayan\Desktop\celebal> |
```

```
PS C:\Users\Aditya Narayan\Desktop\celebal> git checkout new-branch
Already on 'new-branch'
Your branch is up to date with 'origin/new-branch'.
PS C:\Users\Aditya Narayan\Desktop\celebal> git rm "new-branch file.txt"
rm 'new-branch file.txt'
PS C:\Users\Aditya Narayan\Desktop\celebal> git commit -m "Remove file-txt from new-branch"
[new-branch 34fa055] Remove file-txt from new-branch
 1 file changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 new-branch file.txt
PS C:\Users\Aditya Narayan\Desktop\celebal> git push origin new-branch
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 20 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 236 bytes | 236.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/bhaukal01/celebal-week-1.git
 406a02e..34fa055 new-branch -> new-branch
PS C:\Users\Aditya Narayan\Desktop\celebal>
```