```
hduser@bmsce-Precision-T1700:~$ hadoop fs -ls /
Found 12 items
drwxr-xr-x   - hduser supergroup          0 2022-05-31 10:41 /FFF
drwxr-xr-x   - hduser supergroup          0 2022-05-31 10:44 /LLL
drwxr-xr-x   - hduser supergroup          0 2022-06-01 09:31 /abc
drwxr-xr-x   - hduser supergroup          0 2022-06-01 09:32 /hadoop_lab
drwxr-xr-x   - hduser supergroup          0 2022-05-31 09:42 /hello
drwxr-xr-x   - hduser supergroup          0 2019-10-24 12:14 /nnn
drwxr-xr-x   - hduser supergroup          0 2019-10-24 11:02 /output
drwxr-xr-x   - hduser supergroup          0 2019-10-24 12:16 /output1
drwxr-xr-x   - hduser supergroup          0 2019-10-24 11:01 /sid
drwxrwxr-x   - hduser supergroup          0 2019-08-01 16:19 /tmp
drwxr-xr-x   - hduser supergroup          0 2019-08-01 16:03 /user
drwxr-xr-x   - hduser supergroup          0 2022-06-01 09:52 /yogesht_copied
hduser@bmsce-Precision-T1700:~$ hadoop fs -mkdir /cs228
Found 13 items
drwxr-xr-x   - hduser supergroup          0 2022-05-31 10:41 /FFF
drwxr-xr-x   - hduser supergroup          0 2022-05-31 10:44 /LLL
drwxr-xr-x   - hduser supergroup          0 2022-06-01 09:31 /abc
drwxr-xr-x   - hduser supergroup          0 2022-06-01 14:23 /cs228
drwxr-xr-x   - hduser supergroup          0 2022-06-01 09:32 /hadoop_lab
drwxr-xr-x   - hduser supergroup          0 2022-05-31 09:42 /hello
drwxr-xr-x   - hduser supergroup          0 2019-10-24 12:14 /nnn
drwxr-xr-x   - hduser supergroup          0 2019-10-24 11:02 /output
drwxr-xr-x   - hduser supergroup          0 2019-10-24 12:16 /output1
drwxr-xr-x   - hduser supergroup          0 2019-10-24 11:01 /sid
drwxrwxr-x   - hduser supergroup          0 2019-08-01 16:19 /tmp
drwxr-xr-x   - hduser supergroup          0 2019-08-01 16:03 /user
drwxr-xr-x   - hduser supergroup          0 2022-06-01 09:52 /yogesht_copied

hduser@bmsce-Precision-T1700:~$ hadoop fs -touchz /cs228/foo.txt

hduser@bmsce-Precision-T1700:~$ hadoop fs -ls /cs228

Found 1 items
-rw-r--r--   1 hduser supergroup          0 2022-06-01 14:23 /cs228/foo.txt
hduser@bmsce-Precision-T1700:~$ nano test_cs228.txt

hduser@bmsce-Precision-T1700:~$ hadoop fs -get /cs228/cfl.txt ~/get_from_hdfs.txt

hduser@bmsce-Precision-T1700:~$ hadoop fs -copyToLocal /cs228/cfl.txt ~/ctl_from_hdfs.txt

hduser@bmsce-Precision-T1700:~$ hadoop fs -cat /cs228/cfl.txt
```

```
hduser@bmsce-Precision-T1700:~$ hadoop fs -ls /cs228

Found 1 items
-rw-r--r--   1 hduser supergroup          0 2022-06-01 14:23 /cs228/foo.txt
hduser@bmsce-Precision-T1700:~$ nano test_cs228.txt

hduser@bmsce-Precision-T1700:~$ hadoop fs -get /cs228/cfl.txt ~/get_from_hdfs.txt

hduser@bmsce-Precision-T1700:~$ hadoop fs -copyToLocal /cs228/cfl.txt ~/ctl_from_hdfs.txt


hduser@bmsce-Precision-T1700:~$ hadoop fs -cat /cs228/cfl.txt
hello there this is cs228

hduser@bmsce-Precision-T1700:~$ hadoop fs -mv /cs228/cfl.txt /cs228/renamed_cfl.txt

hduser@bmsce-Precision-T1700:~$ hadoop fs -cp /cs228/foo.txt /cs228/copied_foo.txt

hduser@bmsce-Precision-T1700:~$ hadoop fs -getmerge /cs228 ~/hdfs_getmerge.txt

hduser@bmsce-Precision-T1700:~$ cat hdfs_getmerge.txt
hello there this is cs228
hello there this is cs228

hduser@bmsce-Precision-T1700:~$ hadoop fs -ls

Found 13 items
drwxr-xr-x   - hduser supergroup          0 2022-05-31 10:41 /FFF
drwxr-xr-x   - hduser supergroup          0 2022-05-31 10:44 /LLL
drwxr-xr-x   - hduser supergroup          0 2022-06-01 09:31 /abc
drwxr-xr-x   - hduser supergroup          0 2022-06-01 14:35 /cs228
drwxr-xr-x   - hduser supergroup          0 2022-06-01 09:32 /hadoop_lab
drwxr-xr-x   - hduser supergroup          0 2022-05-31 09:42 /hello
drwxr-xr-x   - hduser supergroup          0 2019-10-24 12:14 /nnn
drwxr-xr-x   - hduser supergroup          0 2019-10-24 11:02 /output
drwxr-xr-x   - hduser supergroup          0 2019-10-24 12:16 /output1
drwxr-xr-x   - hduser supergroup          0 2019-10-24 11:01 /sid
drwxrwxr-x   - hduser supergroup          0 2019-08-01 16:19 /tmp
drwxr-xr-x   - hduser supergroup          0 2019-08-01 16:03 /user
drwxr-xr-x   - hduser supergroup          0 2022-06-01 09:52 /yogesht_copied

hduser@bmsce-Precision-T1700:~$ hadoop fs -ls /cs228

Found 4 items
```

```
drwxr-xr-x    - hduser supergroup              0 2019-10-24 12:14 /nnn
drwxr-xr-x    - hduser supergroup              0 2019-10-24 11:02 /output
drwxr-xr-x    - hduser supergroup              0 2019-10-24 12:16 /output1
drwxr-xr-x    - hduser supergroup              0 2019-10-24 11:01 /sid
drwxrwxr-x    - hduser supergroup              0 2019-08-01 16:19 /tmp
drwxr-xr-x    - hduser supergroup              0 2019-08-01 16:03 /user
drwxr-xr-x    - hduser supergroup              0 2022-06-01 09:52 /yogesht_copied

hduser@bmsce-Precision-T1700:~$ hadoop fs -ls /cs228

Found 4 items
-rw-r--r--    1 hduser supergroup              0 2022-06-01 14:35 /cs228/copied_foo.txt
-rw-r--r--    1 hduser supergroup              0 2022-06-01 14:23 /cs228/foo.txt
-rw-r--r--    1 hduser supergroup             26 2022-06-01 14:27 /cs228/renamed_cfl.txt
-rw-r--r--    1 hduser supergroup             26 2022-06-01 14:26 /cs228/test_cs228.txt
hduser@bmsce-Precision-T1700:~$ cat hdfs_getmerge.txt
hello there this is cs228
hello there this is cs228
hduser@bmsce-Precision-T1700:~$ nano hdfs_getmerge.txt
hduser@bmsce-Precision-T1700:~$ hadoop fs -cat /cs228/test_cs228.txt

hello there this is cs228
hduser@bmsce-Precision-T1700:~$ hadoop fs -getmerge /cs228/foo.txt ~/getmerge_foo_hdfs.txt

hduser@bmsce-Precision-T1700:~$ hadoop fs -getfacl /cs228


hduser@bmsce-Precision-T1700:~$ hadoop fs -getfacl /cs228/foo.txt
user::rw-
group::r--
other::r--
```