1. ls

```
[ec2-user@ip-172-31-90-212 ~]$ hdfs dfs -ls /
Found 2 items
drwxr-xr-x   - ec2-user supergroup          0 2022-02-05 02:16 /user
drwxr-xr-x   - ec2-user supergroup          0 2022-02-05 04:48 /usr
```

2. Mkdir

```
[ec2-user@ip-172-31-90-212 ~]$ hdfs dfs -mkdir /lab2_test
[ec2-user@ip-172-31-90-212 ~]$ hdfs dfs -ls /
Found 3 items
drwxr-xr-x   - ec2-user supergroup          0 2022-02-07 23:29 /lab2_test
drwxr-xr-x   - ec2-user supergroup          0 2022-02-05 02:16 /user
drwxr-xr-x   - ec2-user supergroup          0 2022-02-05 04:48 /usr
```

3. rmdir

```
[ec2-user@ip-172-31-90-212 ~]$ hdfs dfs -rmdir /lab2_test
[ec2-user@ip-172-31-90-212 ~]$ hdfs dfs -ls /
Found 2 items
drwxr-xr-x   - ec2-user supergroup          0 2022-02-05 02:16 /user
drwxr-xr-x   - ec2-user supergroup          0 2022-02-05 04:48 /usr
```

4. put

```
[ec2-user@ip-172-31-90-212 hadoop]$ hdfs dfs -put ~/hadoop-3.3.1/etc/hadoop/*.xml /usr/input
put: `/usr/input/capacity-scheduler.xml': File exists
put: `/usr/input/core-site.xml': File exists
put: `/usr/input/hadoop-policy.xml': File exists
put: `/usr/input/hdfs-rbf-site.xml': File exists
put: `/usr/input/hdfs-site.xml': File exists
put: `/usr/input/httpfs-site.xml': File exists
put: `/usr/input/kms-acls.xml': File exists
put: `/usr/input/kms-site.xml': File exists
put: `/usr/input/mapred-site.xml': File exists
put: `/usr/input/yarn-site.xml': File exists
[ec2-user@ip-172-31-90-212 hadoop]$ hdfs dfs -ls /usr/input
Found 10 items
-rw-r--r--   1 ec2-user supergroup       9213 2022-02-05 04:50 /usr/input/capacity-scheduler.xml
-rw-r--r--   1 ec2-user supergroup        863 2022-02-05 04:50 /usr/input/core-site.xml
-rw-r--r--   1 ec2-user supergroup      11765 2022-02-05 04:50 /usr/input/hadoop-policy.xml
-rw-r--r--   1 ec2-user supergroup        683 2022-02-05 04:50 /usr/input/hdfs-rbf-site.xml
-rw-r--r--   1 ec2-user supergroup        846 2022-02-05 04:50 /usr/input/hdfs-site.xml
-rw-r--r--   1 ec2-user supergroup        620 2022-02-05 04:50 /usr/input/httpfs-site.xml
-rw-r--r--   1 ec2-user supergroup       3518 2022-02-05 04:50 /usr/input/kms-acls.xml
-rw-r--r--   1 ec2-user supergroup        682 2022-02-05 04:50 /usr/input/kms-site.xml
-rw-r--r--   1 ec2-user supergroup        758 2022-02-05 04:50 /usr/input/mapred-site.xml
-rw-r--r--   1 ec2-user supergroup        690 2022-02-05 04:50 /usr/input/yarn-site.xml
```

5. rm

```
[ec2-user@ip-172-31-90-212 hadoop]$ hdfs dfs -ls /usr/input
Found 10 items
-rw-r--r--   1 ec2-user supergroup       9213 2022-02-05 04:50 /usr/input/capacity-scheduler.xml
-rw-r--r--   1 ec2-user supergroup        863 2022-02-05 04:50 /usr/input/core-site.xml
-rw-r--r--   1 ec2-user supergroup      11765 2022-02-05 04:50 /usr/input/hadoop-policy.xml
-rw-r--r--   1 ec2-user supergroup        683 2022-02-05 04:50 /usr/input/hdfs-rbf-site.xml
-rw-r--r--   1 ec2-user supergroup        846 2022-02-05 04:50 /usr/input/hdfs-site.xml
-rw-r--r--   1 ec2-user supergroup        620 2022-02-05 04:50 /usr/input/httpfs-site.xml
-rw-r--r--   1 ec2-user supergroup       3518 2022-02-05 04:50 /usr/input/kms-acls.xml
-rw-r--r--   1 ec2-user supergroup        682 2022-02-05 04:50 /usr/input/kms-site.xml
-rw-r--r--   1 ec2-user supergroup        758 2022-02-05 04:50 /usr/input/mapred-site.xml
-rw-r--r--   1 ec2-user supergroup        690 2022-02-05 04:50 /usr/input/yarn-site.xml
[ec2-user@ip-172-31-90-212 hadoop]$ hdfs dfs -rm /usr/input/capacity-scheduler.xml
Deleted /usr/input/capacity-scheduler.xml
[ec2-user@ip-172-31-90-212 hadoop]$ hdfs dfs -ls /usr/input
Found 9 items
-rw-r--r--   1 ec2-user supergroup        863 2022-02-05 04:50 /usr/input/core-site.xml
-rw-r--r--   1 ec2-user supergroup      11765 2022-02-05 04:50 /usr/input/hadoop-policy.xml
-rw-r--r--   1 ec2-user supergroup        683 2022-02-05 04:50 /usr/input/hdfs-rbf-site.xml
-rw-r--r--   1 ec2-user supergroup        846 2022-02-05 04:50 /usr/input/hdfs-site.xml
-rw-r--r--   1 ec2-user supergroup        620 2022-02-05 04:50 /usr/input/httpfs-site.xml
-rw-r--r--   1 ec2-user supergroup       3518 2022-02-05 04:50 /usr/input/kms-acls.xml
-rw-r--r--   1 ec2-user supergroup        682 2022-02-05 04:50 /usr/input/kms-site.xml
-rw-r--r--   1 ec2-user supergroup        758 2022-02-05 04:50 /usr/input/mapred-site.xml
-rw-r--r--   1 ec2-user supergroup        690 2022-02-05 04:50 /usr/input/yarn-site.xml
```

6. Get

```
[ec2-user@ip-172-31-90-212 hadoop]$ hdfs dfs -get /usr/input input1
[ec2-user@ip-172-31-90-212 hadoop]$ ls
capacity-scheduler.xml            httpfs-env.sh          mapred-queues.xml.template
configuration.xsl                 httpfs-log4j.properties mapred-site.xml
container-executor.cfg            httpfs-site.xml        shellprofile.d
core-site.xml                     input1                 ssl-client.xml.example
hadoop-env.cmd                    kms-acls.xml           ssl-server.xml.example
hadoop-env.sh                     kms-env.sh             user_ec_policies.xml.template
hadoop-metrics2.properties        kms-log4j.properties   workers
hadoop-policy.xml                 kms-site.xml           yarn-env.cmd
hadoop-user-functions.sh.example  log4j.properties       yarn-env.sh
hdfs-rbf-site.xml                 mapred-env.cmd         yarnservice-log4j.properties
hdfs-site.xml                     mapred-env.sh          yarn-site.xml
[ec2-user@ip-172-31-90-212 hadoop]$ cd input1
[ec2-user@ip-172-31-90-212 input1]$ ls
core-site.xml      hdfs-rbf-site.xml  httpfs-site.xml  kms-site.xml    yarn-site.xml
hadoop-policy.xml  hdfs-site.xml    _ kms-acls.xml     mapred-site.xml
```

7. Cat

```
[ec2-user@ip-172-31-90-212 hadoop]$ hdfs dfs -cat /usr/input/core-site.xml
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="configuration.xsl"?>
<!--
  Licensed under the Apache License, Version 2.0 (the "License");
  you may not use this file except in compliance with the License.
  You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

  Unless required by applicable law or agreed to in writing, software
  distributed under the License is distributed on an "AS IS" BASIS,
  WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
  See the License for the specific language governing permissions and
  limitations under the License. See accompanying LICENSE file.
-->

<!-- Put site-specific property overrides in this file. -->

<configuration>
<property>
        <name>fs.defaultFS</name>
        <value>hdfs://localhost:9000</value>
</property>

</configuration>
```

8. cp

```
[ec2-user@ip-172-31-90-212 hadoop]$ hdfs dfs -cp /usr/input/core-site.xml /usr/
[ec2-user@ip-172-31-90-212 hadoop]$ hdfs dfs -ls /usr
Found 2 items
-rw-r--r--   1 ec2-user supergroup        863 2022-02-07 23:50 /usr/core-site.xml
drwxr-xr-x   - ec2-user supergroup          0 2022-02-07 23:39 /usr/input
```