SUSHMITHA P.A

1NT19IS170

C2

HADOOP COMMANDS

Checking whether Hadoop is installed

>$ hadoop version

>$ start-all.sh

 >$ jps

Creating a directory named by my name

>$ hadoop fs -mkdir sushmitha

Listing all the files and directories present

>$ hadoop fs –ls

```
hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -ls
Found 2 items
drwxr-xr-x   - hdoop supergroup          0 2022-05-24 09:18 1NT19IS005
drwxr-xr-x   - hdoop supergroup          0 2022-05-26 15:27 sushmitha
```

Creating the empty file

>$ hadoop fs -touchz sush.txt

```
hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -touchz sush.txt

hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -ls
Found 3 items
drwxr-xr-x   - hdoop supergroup          0 2022-05-24 09:18 1NT19IS005
-rw-r--r--   1 hdoop supergroup          0 2022-05-26 15:28 sush.txt
drwxr-xr-x   - hdoop supergroup          0 2022-05-26 15:27 sushmitha
```

Create a file in your local system to terminal and cat command

> $ hadoop fs -copyFromLocal sush.txt sp.txt

```
hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -copyFromLocal sush.txt sp.txt
2022-05-26 15:34:10,055 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted
 = false
```

>$ hadoop fs -cat sp.txt

```
hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -cat sp.txt
2022-05-26 15:34:24,453 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted
 = false
Hello sush
```

Copy to local

>$ hadoop fs -copyToLocal sush.txt sp.txt

```
hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -copyFromLocal sush.txt sp.txt
2022-05-26 15:34:10,055 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted
= false

hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -cat sp.txt
2022-05-26 15:34:24,453 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted
= false
Hello sush
```

Creating another directory by usn

>$ hadoop fs -mkdir 1nt19is170

```
hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -mkdir 1nt19is170

hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -ls
Found 5 items
drwxr-xr-x   - hdoop supergroup          0 2022-05-24 09:18 1NT19IS005
drwxr-xr-x   - hdoop supergroup          0 2022-05-26 15:36 1nt19is170
-rw-r--r--   1 hdoop supergroup         14 2022-05-26 15:34 sp.txt
-rw-r--r--   1 hdoop supergroup          0 2022-05-26 15:28 sush.txt
drwxr-xr-x   - hdoop supergroup          0 2022-05-26 15:27 sushmitha
```

Moving usn directory inside name directory

>$ hadoop fs -mv 1nt19is170 sush

```
hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -mv 1nt19is170 sush
```

Coping text from one file to another

>$ hadoop fs -cp sp.txt s5.txt

```
hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -cp sp.txt s5.txt
2022-05-26 15:43:00,618 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted
= false
2022-05-26 15:43:00,707 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted
= false

hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -cat s5.txt
2022-05-26 15:43:12,328 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted
= false
Hello sush
```

Size of the file and directory

>$ hadoop fs –du

```
hdoop > admin1-HP-280-G4-MT-Business-PC > ~ > hadoop fs -du
0    0    1NT19IS005
0    0    s3.txt
0    0    s4.txt
14   14   sp.txt
0    0    sush
0    0    sush.txt
0    0    sushmitha
```

Delete the files

>$ hadoop fs -rmr s3.txt

```
hdoop > admin1-HP-280-G4-MT-Business-PC > ~ > hadoop fs -ls
Found 8 items
drwxr-xr-x   - hdoop supergroup          0 2022-05-24 09:18 1NT19IS005
-rw-r--r--   1 hdoop supergroup          0 2022-05-26 15:40 s3.txt
-rw-r--r--   1 hdoop supergroup          0 2022-05-26 15:42 s4.txt
-rw-r--r--   1 hdoop supergroup         14 2022-05-26 15:43 s5.txt
-rw-r--r--   1 hdoop supergroup         14 2022-05-26 15:34 sp.txt
drwxr-xr-x   - hdoop supergroup          0 2022-05-26 15:36 sush
-rw-r--r--   1 hdoop supergroup          0 2022-05-26 15:28 sush.txt
drwxr-xr-x   - hdoop supergroup          0 2022-05-26 15:27 sushmitha

hdoop > admin1-HP-280-G4-MT-Business-PC > ~ > hadoop fs -rmr s3.txt
rmr: DEPRECATED: Please use '-rm -r' instead.
Deleted s3.txt

hdoop > admin1-HP-280-G4-MT-Business-PC > ~ > hadoop fs -ls
Found 7 items
drwxr-xr-x   - hdoop supergroup          0 2022-05-24 09:18 1NT19IS005
-rw-r--r--   1 hdoop supergroup          0 2022-05-26 15:42 s4.txt
-rw-r--r--   1 hdoop supergroup         14 2022-05-26 15:43 s5.txt
-rw-r--r--   1 hdoop supergroup         14 2022-05-26 15:34 sp.txt
drwxr-xr-x   - hdoop supergroup          0 2022-05-26 15:36 sush
-rw-r--r--   1 hdoop supergroup          0 2022-05-26 15:28 sush.txt
drwxr-xr-x   - hdoop supergroup          0 2022-05-26 15:27 sushmitha
```

Total size of all files and directory

>$ hadoop fs –dus

```
hdoop > admin1-HP-280-G4-MT-Business-PC > ~ > hadoop fs -dus
dus: DEPRECATED: Please use 'du -s' instead.
28  28  .
```

Check time and date of particular file

>$ hadoop fs -stat sushmitha

```
hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -stat sushmitha
2022-05-26 09:57:07
```

Moving files to directory

>$ hadoop fs -mv s4.txt sushmitha

```
hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -mv s4.txt sushmitha
```

```
hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -ls sushmitha
Found 1 items
-rw-r--r--   1 hdoop supergroup          0 2022-05-26 15:42 sushmitha/s4.txt
```

Checking files under particular directory

>$ hadoop fs -ls sushmitha

```
hdoop  admin1-HP-280-G4-MT-Business-PC  ~  hadoop fs -ls sushmitha
Found 1 items
-rw-r--r--   1 hdoop supergroup          0 2022-05-26 15:42 sushmitha/s4.txt
```