Big Data Analytics

Sqoop Assignment 1

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# Question 1:

## Command:

sqoop import \

--connect jdbc:mysql://localhost/loudacre \

--username training --password training \

--target-dir /axs173331/loudacre/pset1 \

--query 'SELECT first\_name, last\_name, acct\_num, city ,state

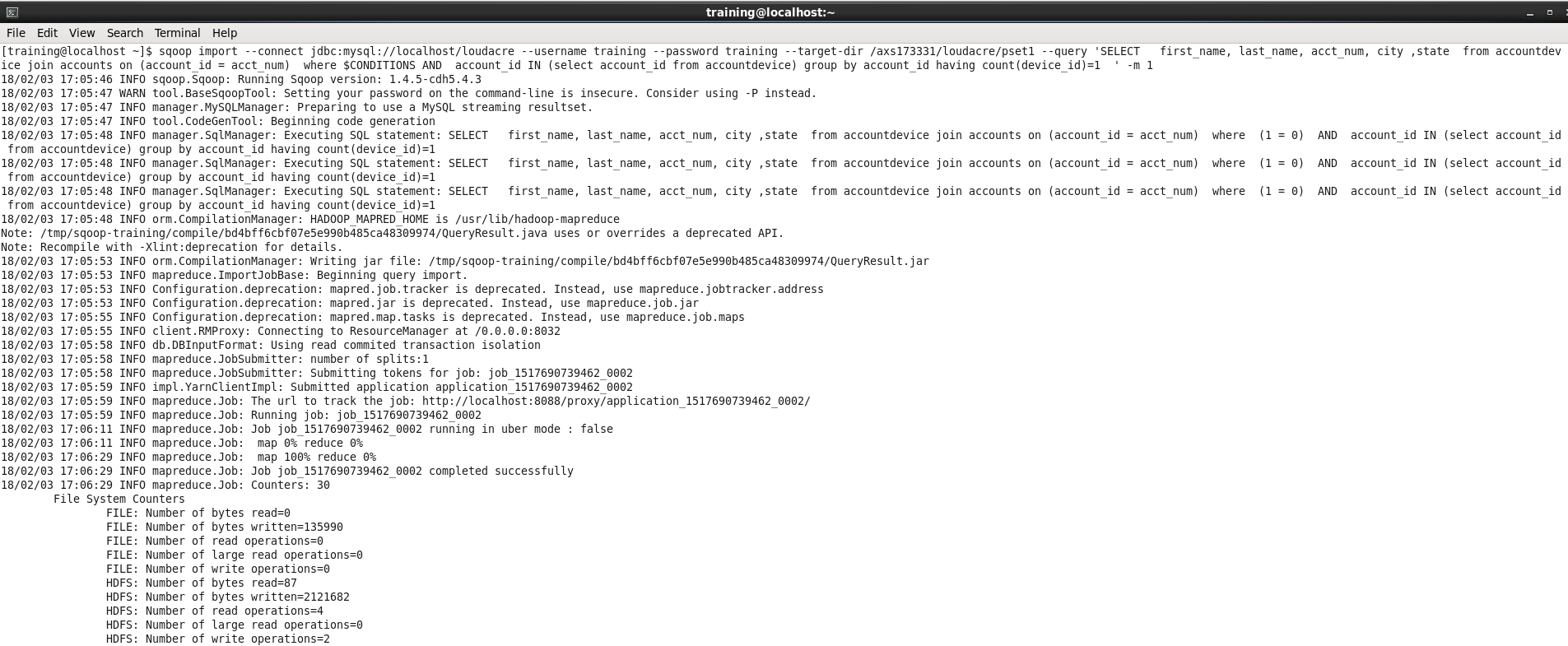
from accountdevice join accounts on (account\_id = acct\_num) where $CONDITIONS

AND account\_id IN (select account\_id from accountdevice)

group by account\_id having count(device\_id)=1 ' \

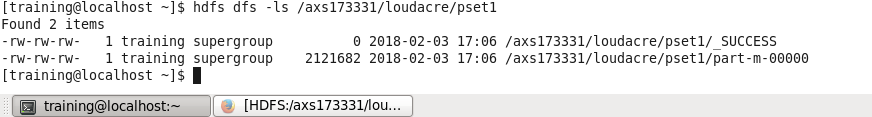
-m 1

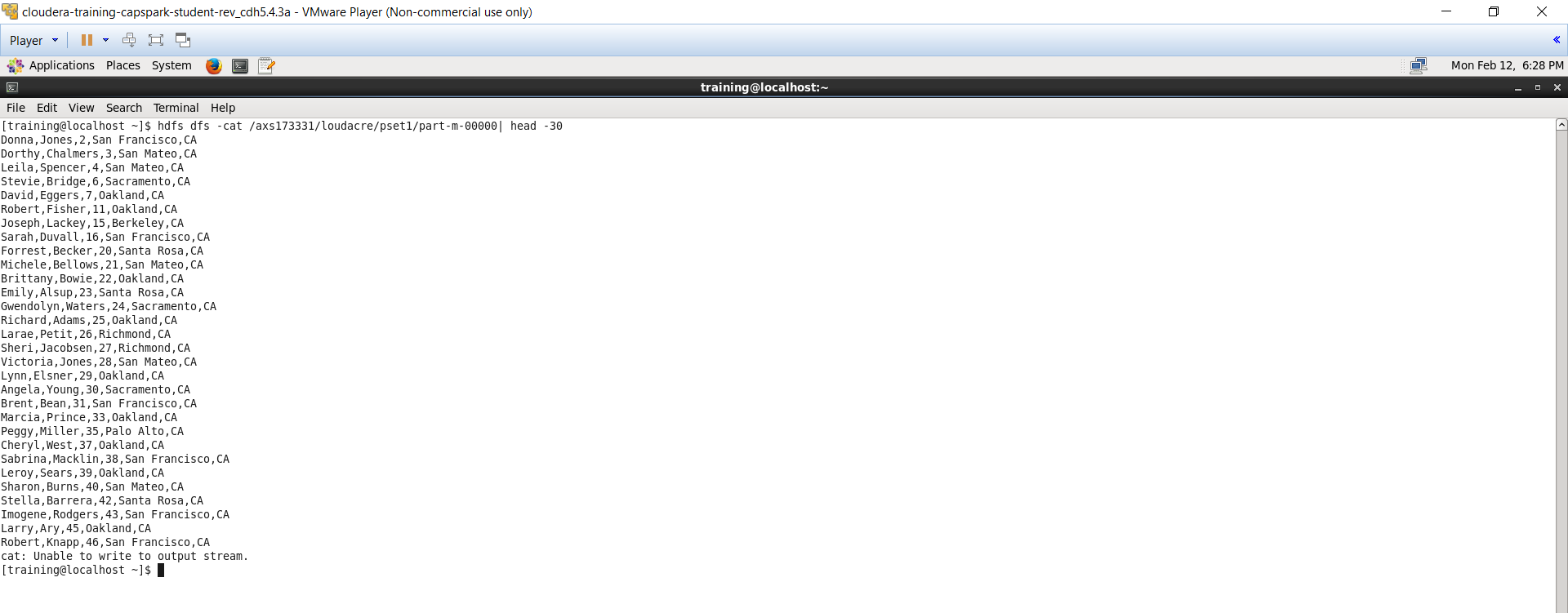
## Output:



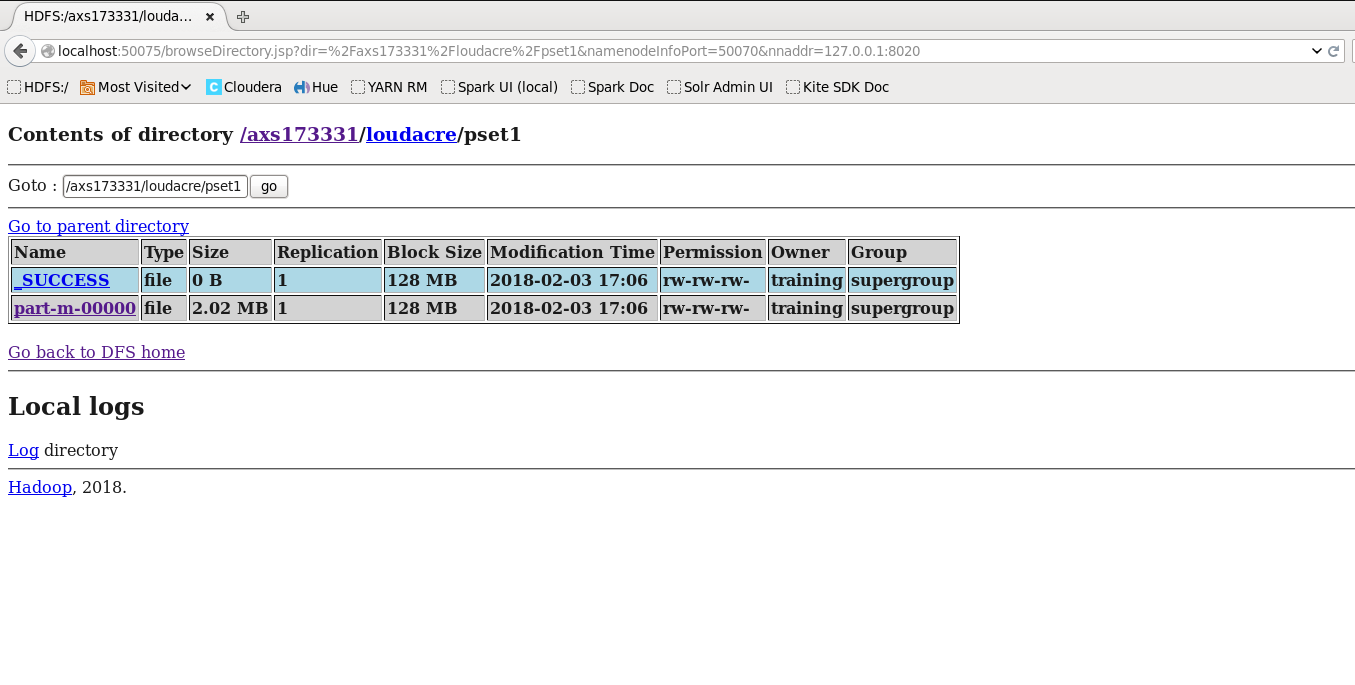


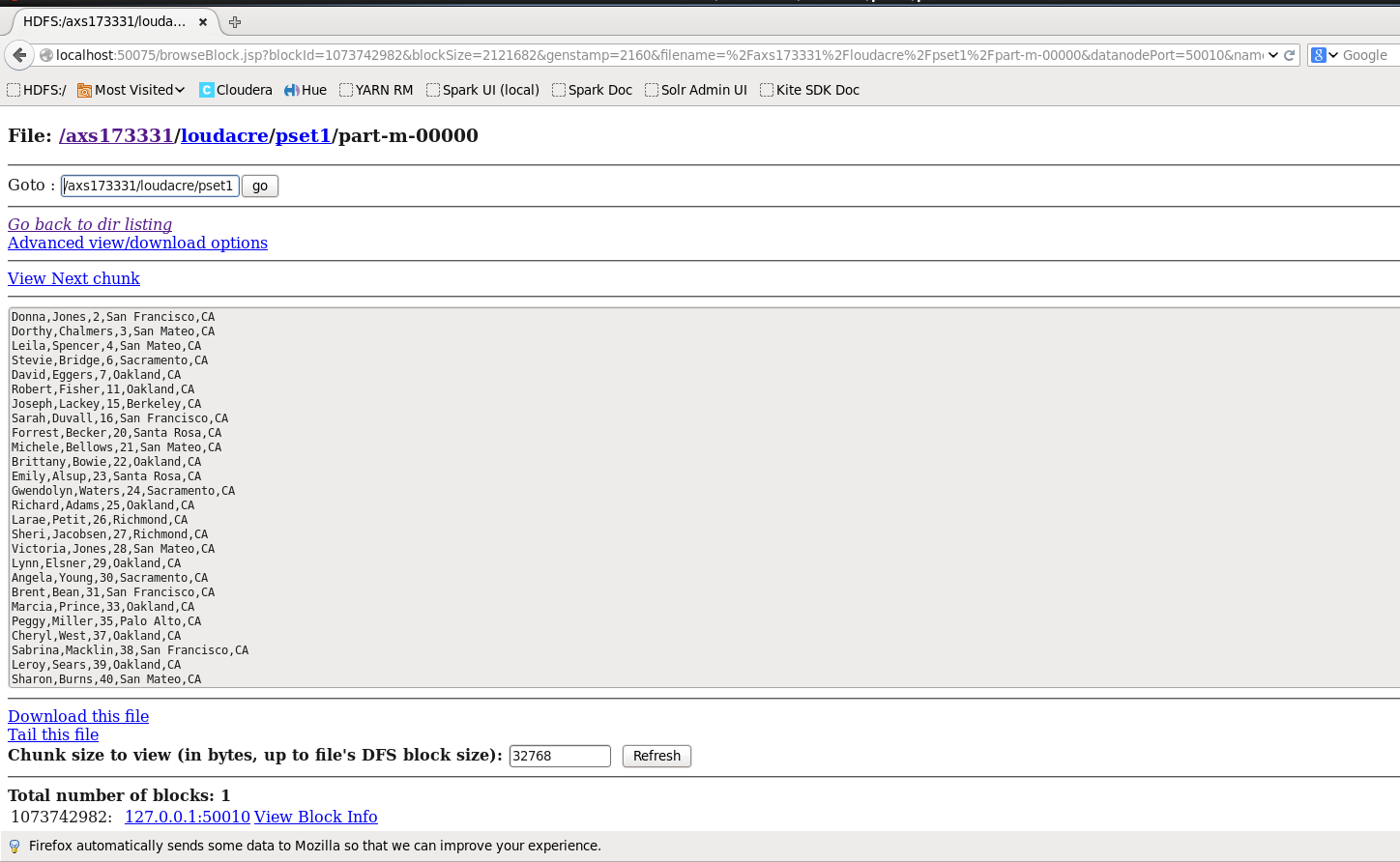
HDFS Command line Output





HDFS Browser Output





# Question 2:

## Command:

sqoop import \

--connect jdbc:mysql://localhost/loudacre \

--username training --password training \

--target-dir /axs173331/loudacre/pset2 \

--query 'SELECT first\_name, last\_name, acct\_num, city ,state

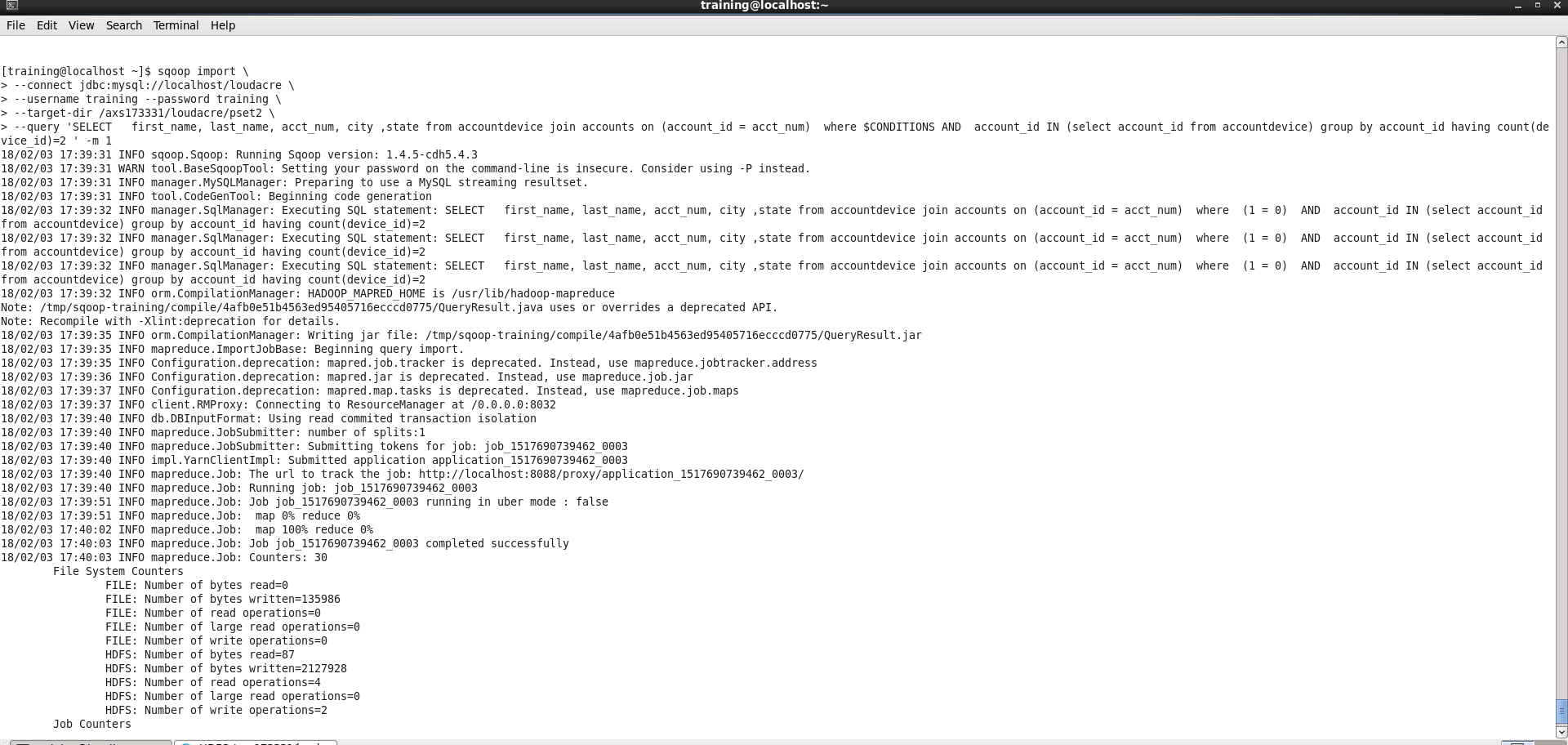
from accountdevice join accounts on (account\_id = acct\_num)

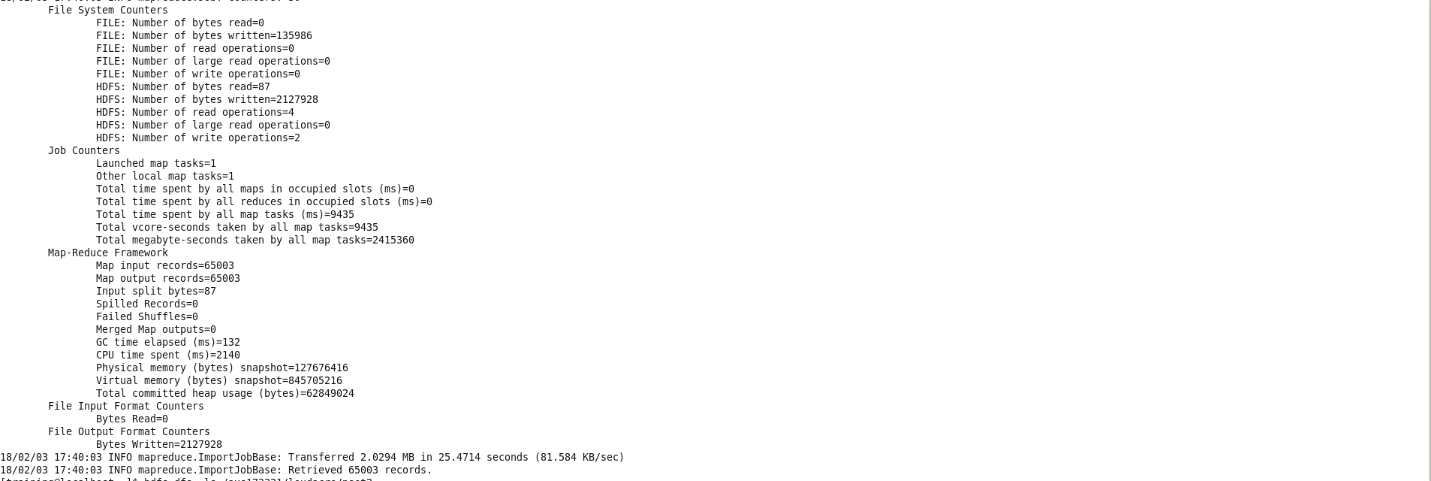
where $CONDITIONS AND account\_id IN (select account\_id from accountdevice)

group by account\_id having count(device\_id)=2' \

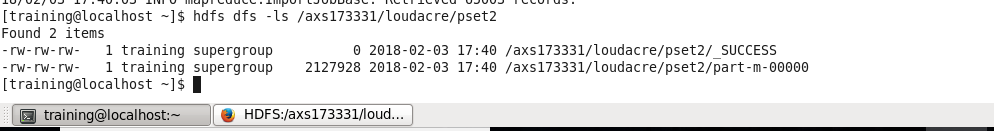
-m 1

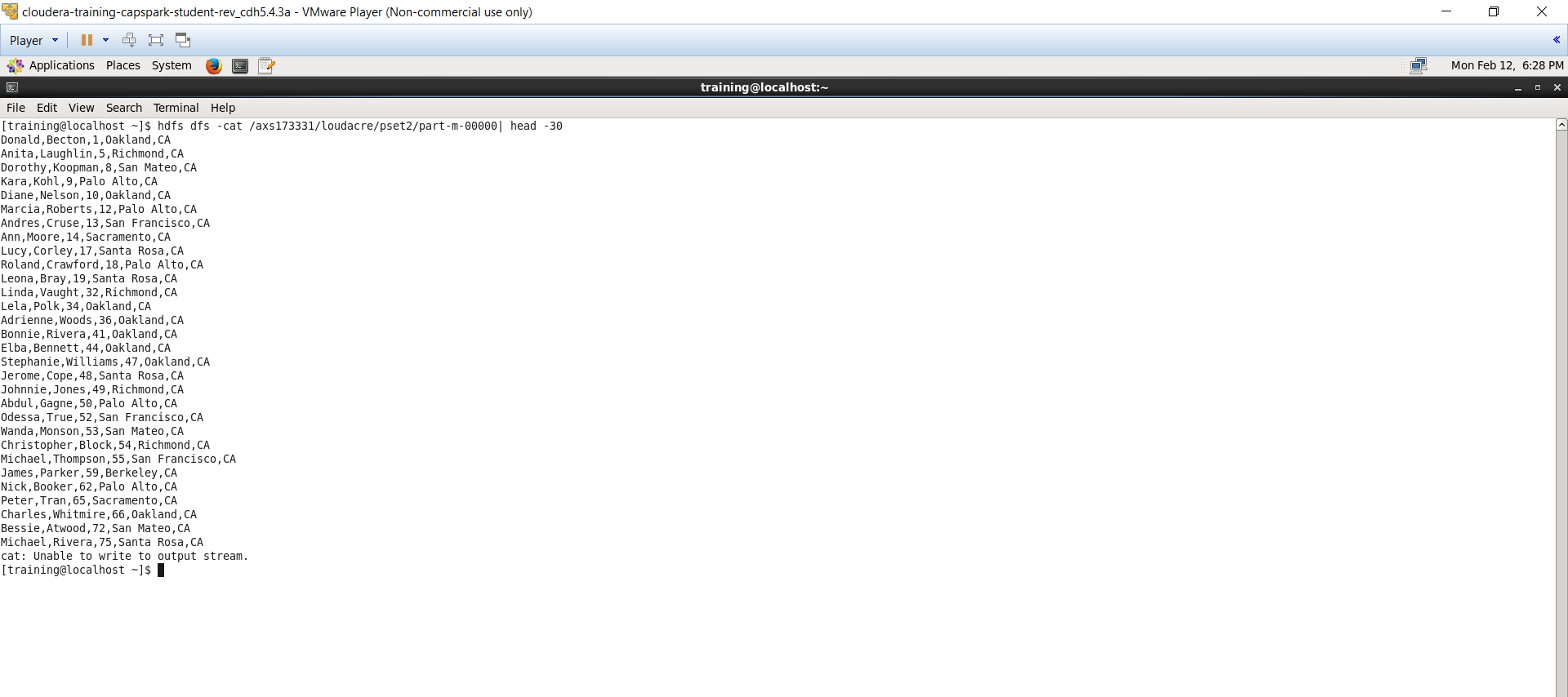
## Output:



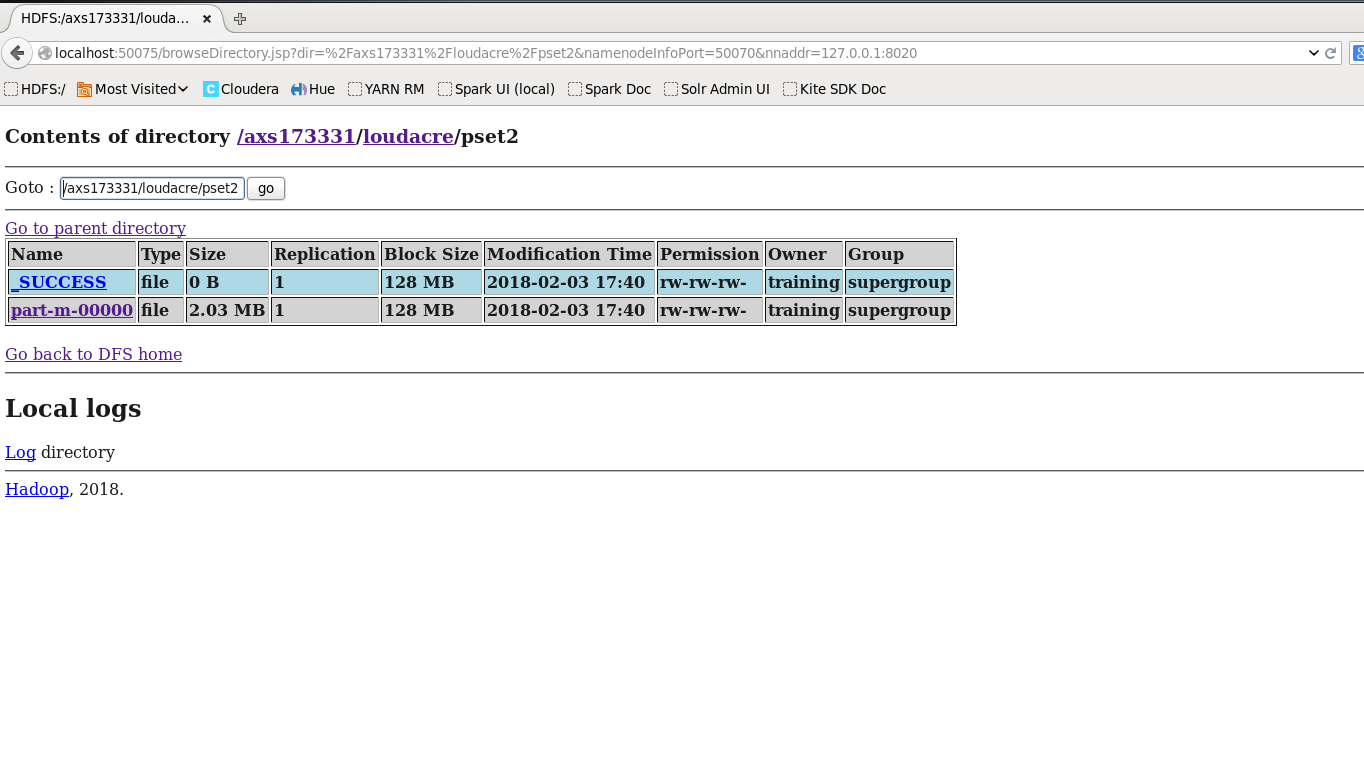


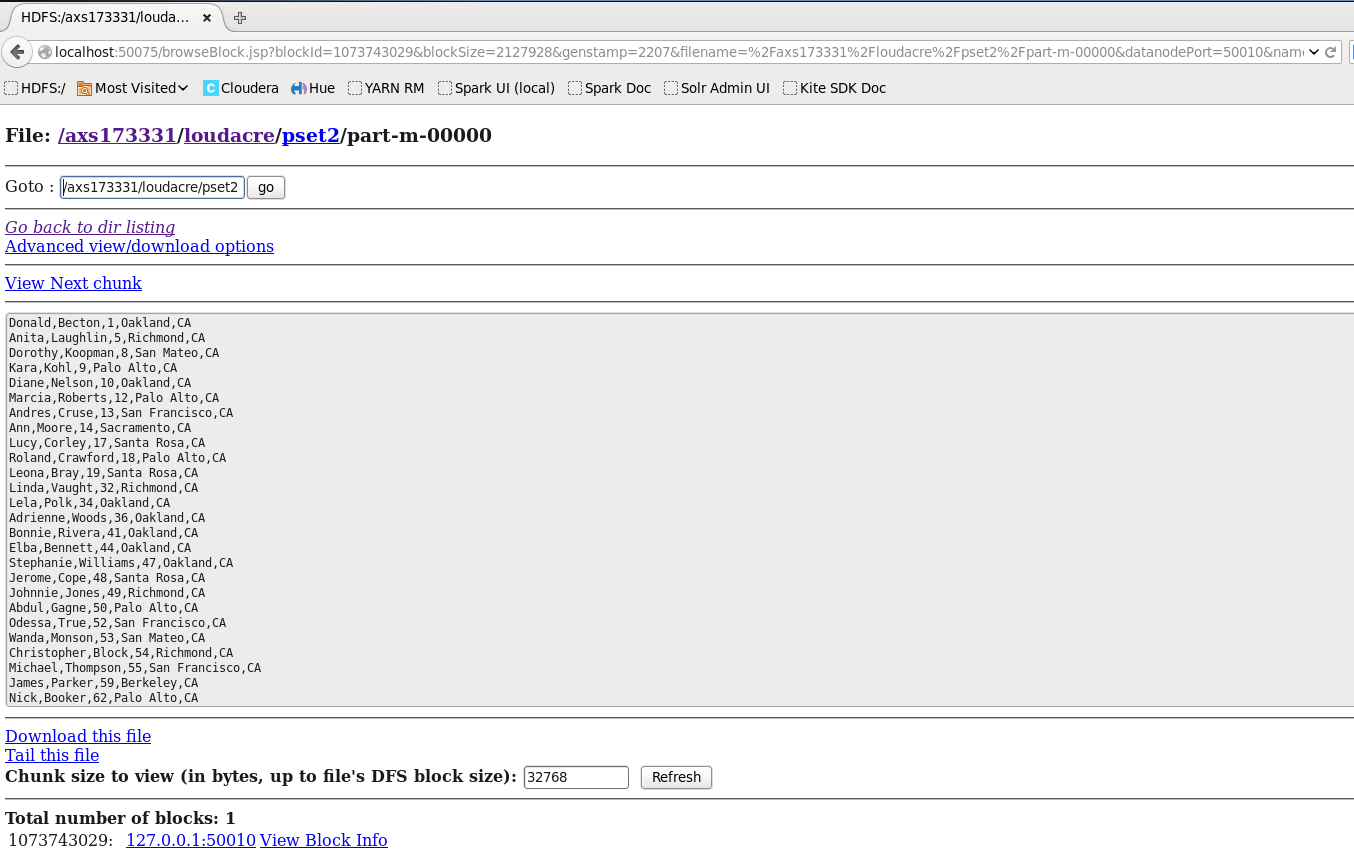
HDFS command line output





HDFS Browser output





# Question 3:

## Command:

sqoop merge \

--new-data /axs173331/loudacre/pset1/part-m-00000 \

--onto /axs173331/loudacre/pset2/part-m-00000 \

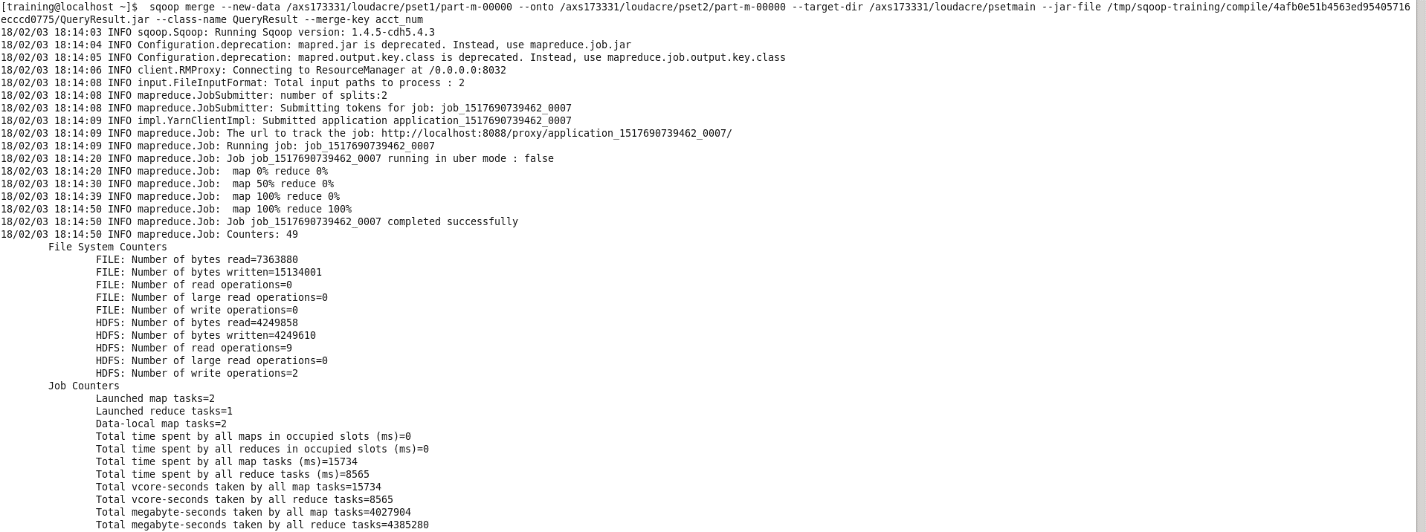
--target-dir /axs173331/loudacre/psetmain \

--jar-file /tmp/sqoop-training/compile/4afb0e51b4563ed95405716ecccd0775/QueryResult.jar \

--class-name QueryResult \

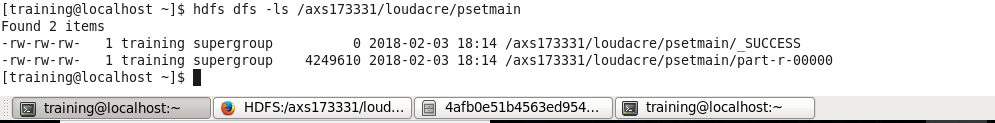
--merge-key acct\_num

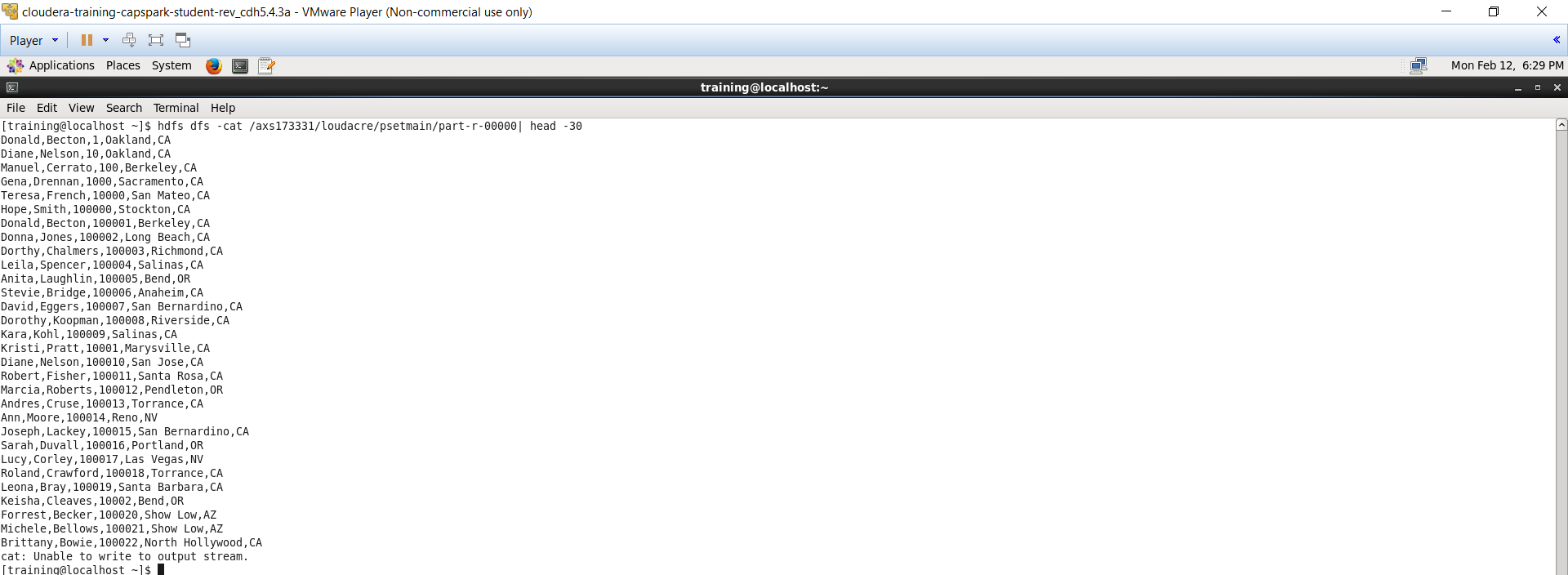
## Output:



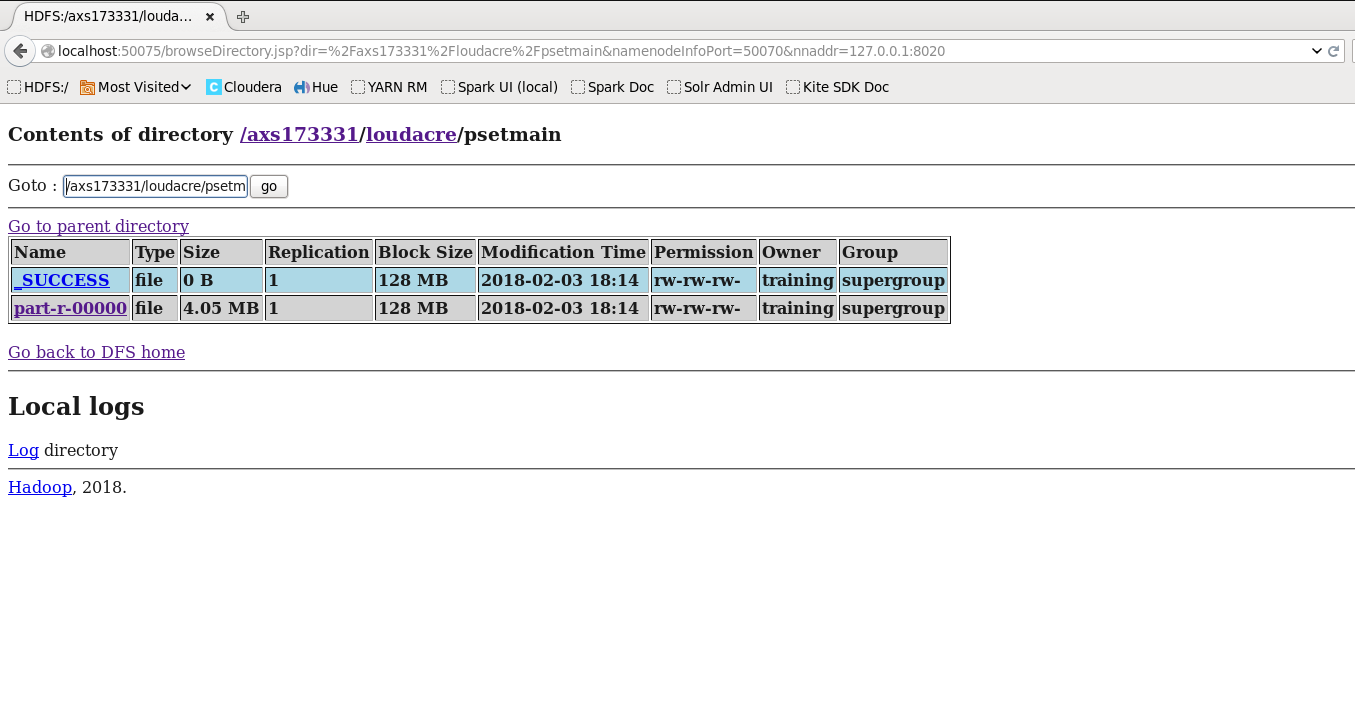


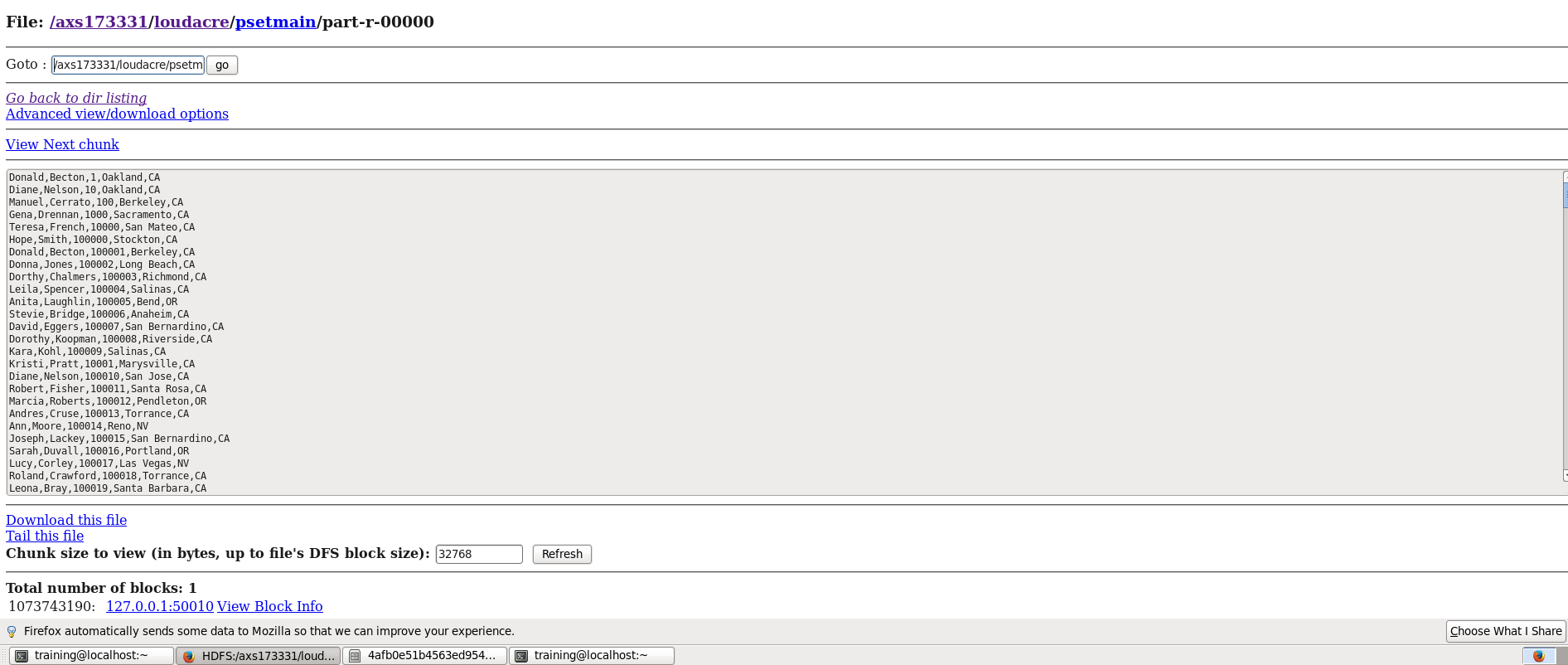
HDFS Command line Output





HDFS Browser Output





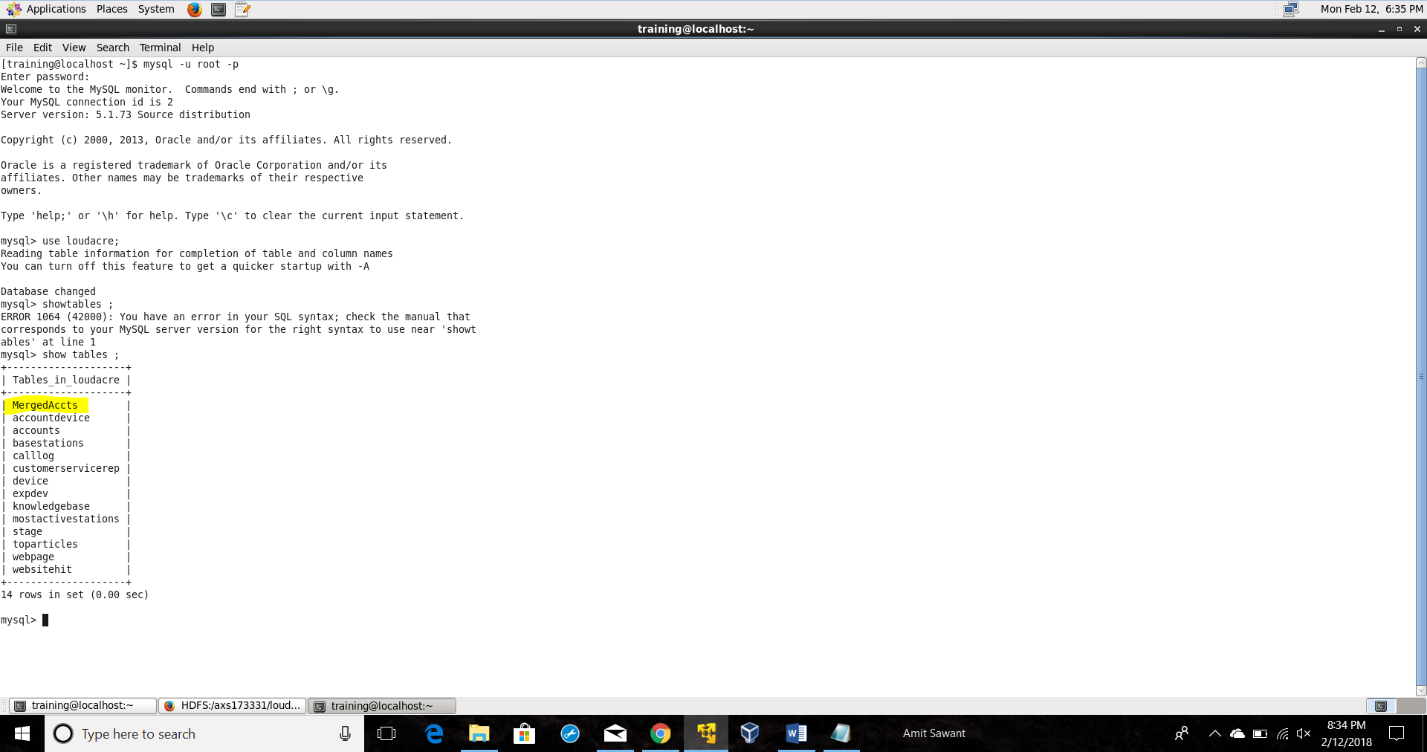
# Question 4:

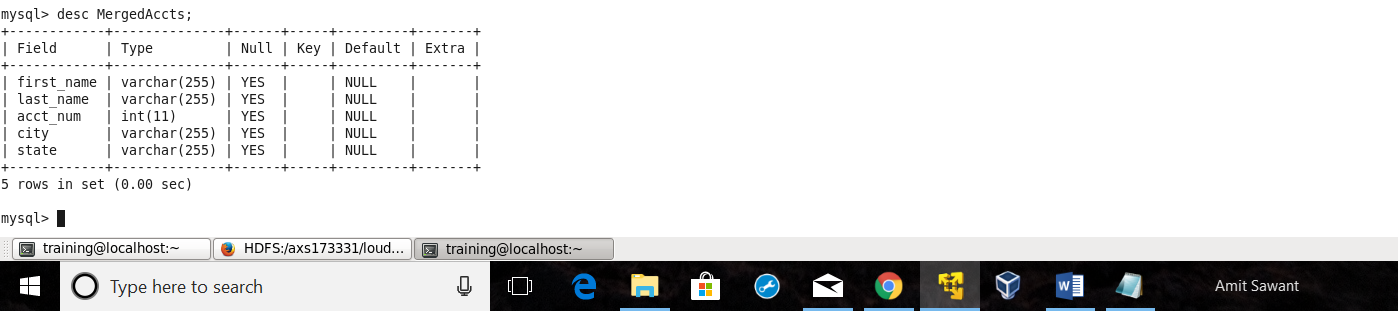
## Command:

### Create MySQL Table

CREATE TABLE MergedAccts (first\_name VARCHAR(255), last\_name VARCHAR(255), acct\_num int(11), city VARCHAR(255), state VARCHAR(255));

### Output





### Export Command

sqoop export \

--connect jdbc:mysql://localhost/loudacre \

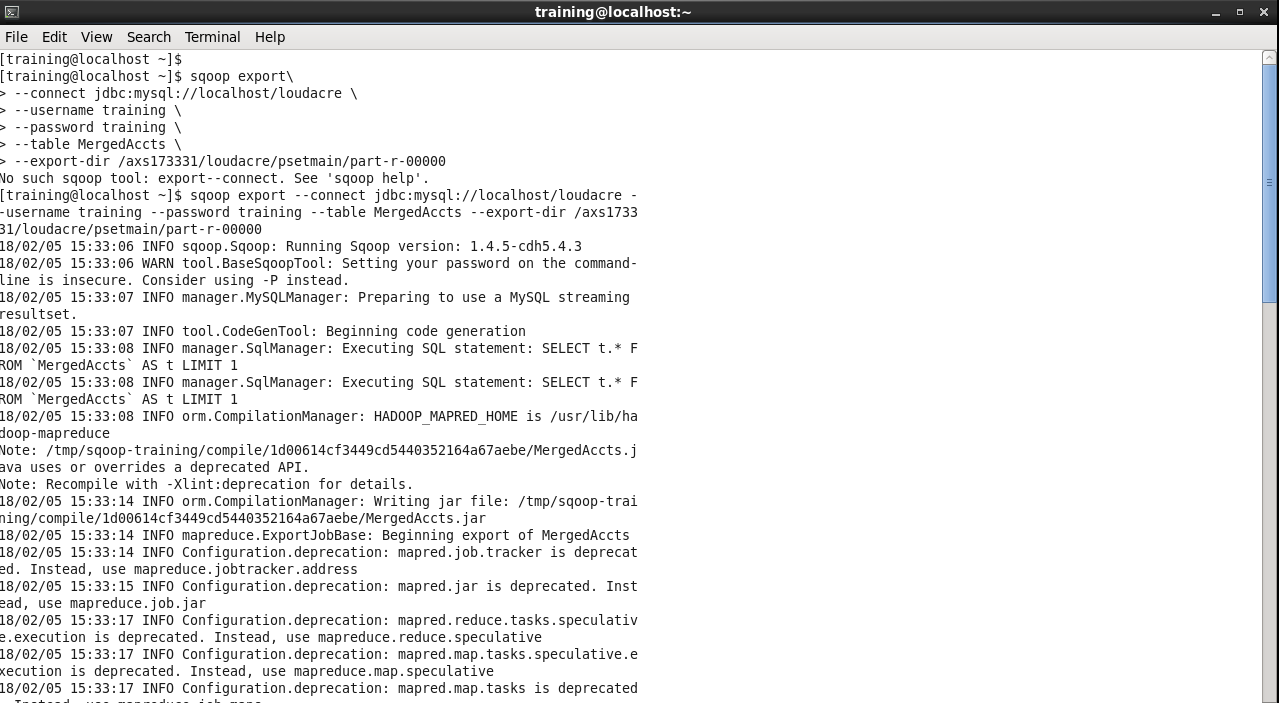
--username training \

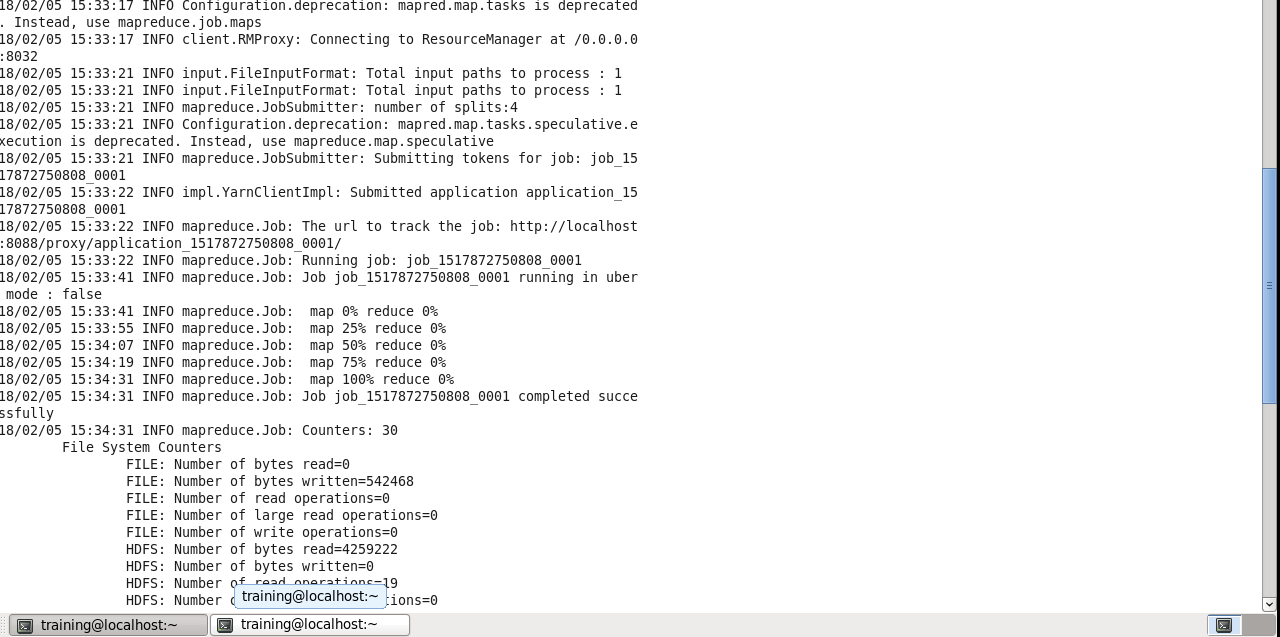
--password training \

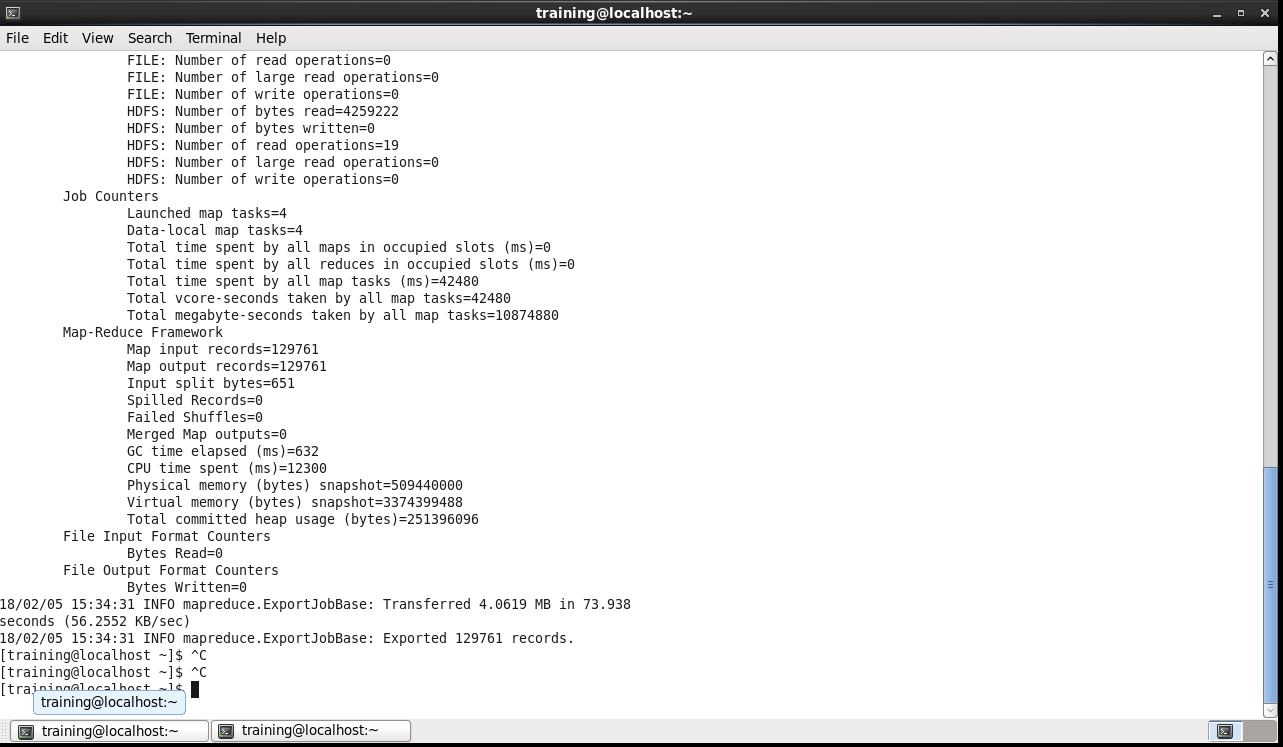
--table MergedAccts \

--export-dir /axs173331/loudacre/psetmain/part-r-00000

### Output:







### Verifying Exported Records in MySQL

