**1**\_ Start mysql and and use retail database

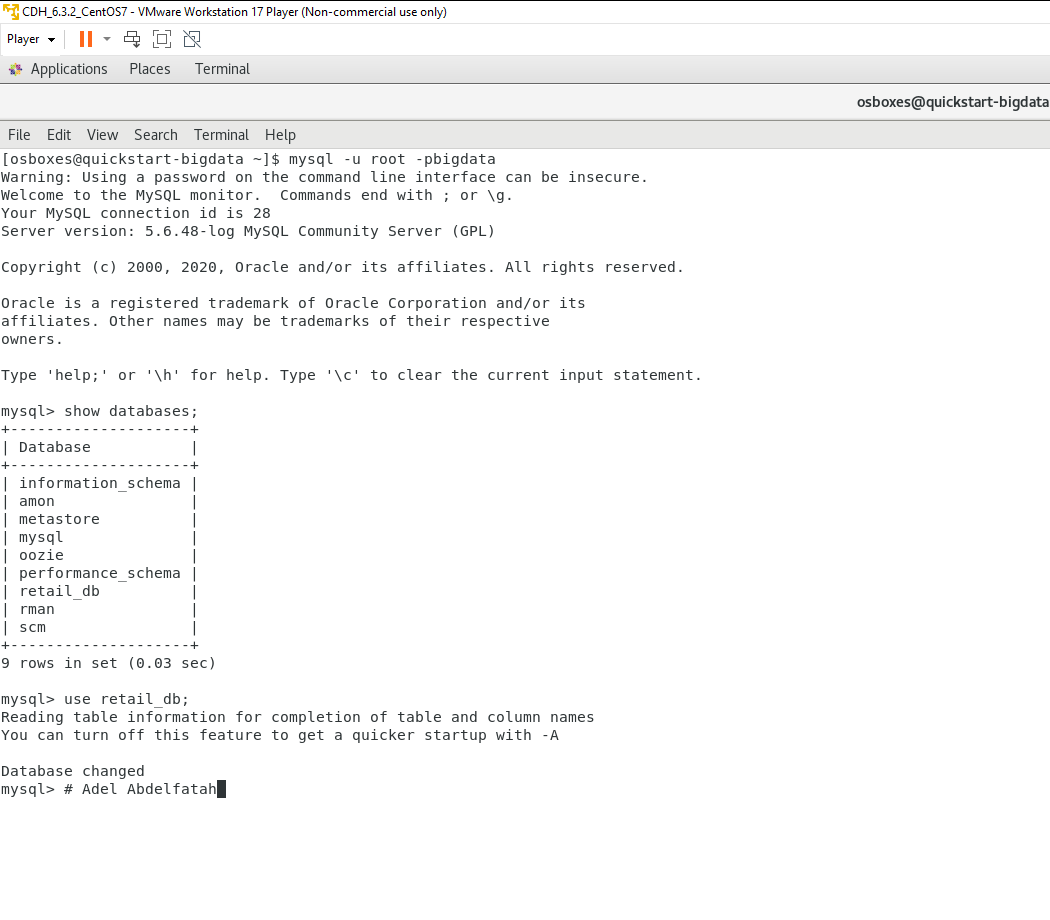
[osboxes@quickstart-bigdata ~]$ mysql -u root -pbigdata

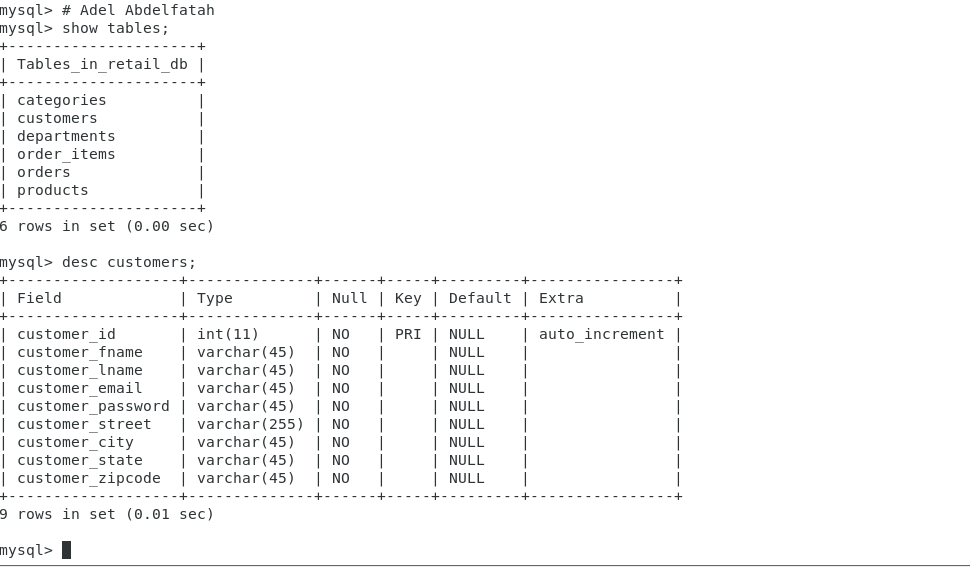
mysql> show databases;

mysql> use retail\_db;

mysql> show tables;

mysql> desc customers;





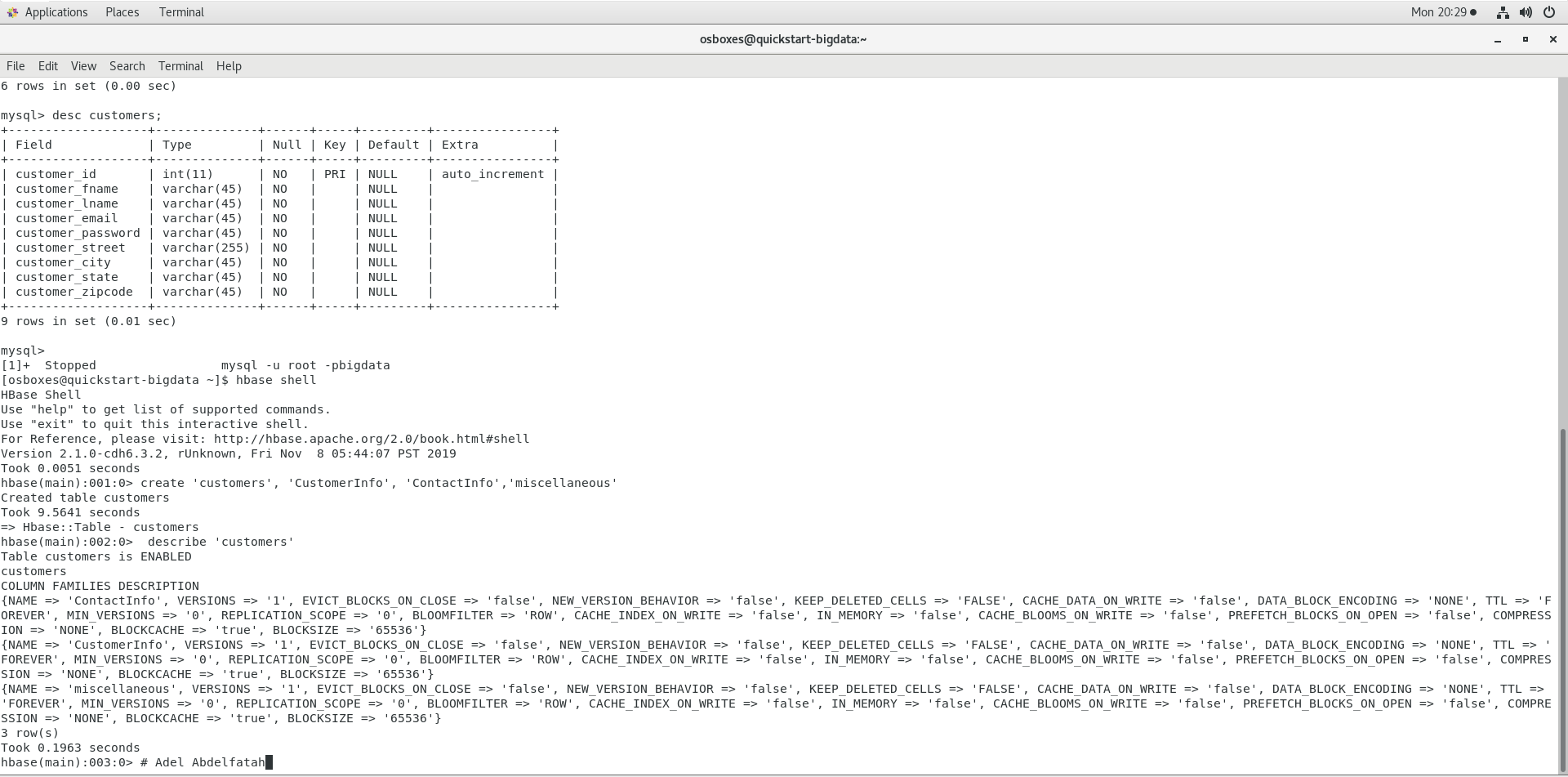
**2**\_OPEN HBASE by **hbase shell**

[osboxes@quickstart-bigdata ~]$ hbase shell

hbase(main):003:0> create 'customers', 'CustomerInfo', 'ContactInfo','miscellaneous'

hbase(main):003:0>list

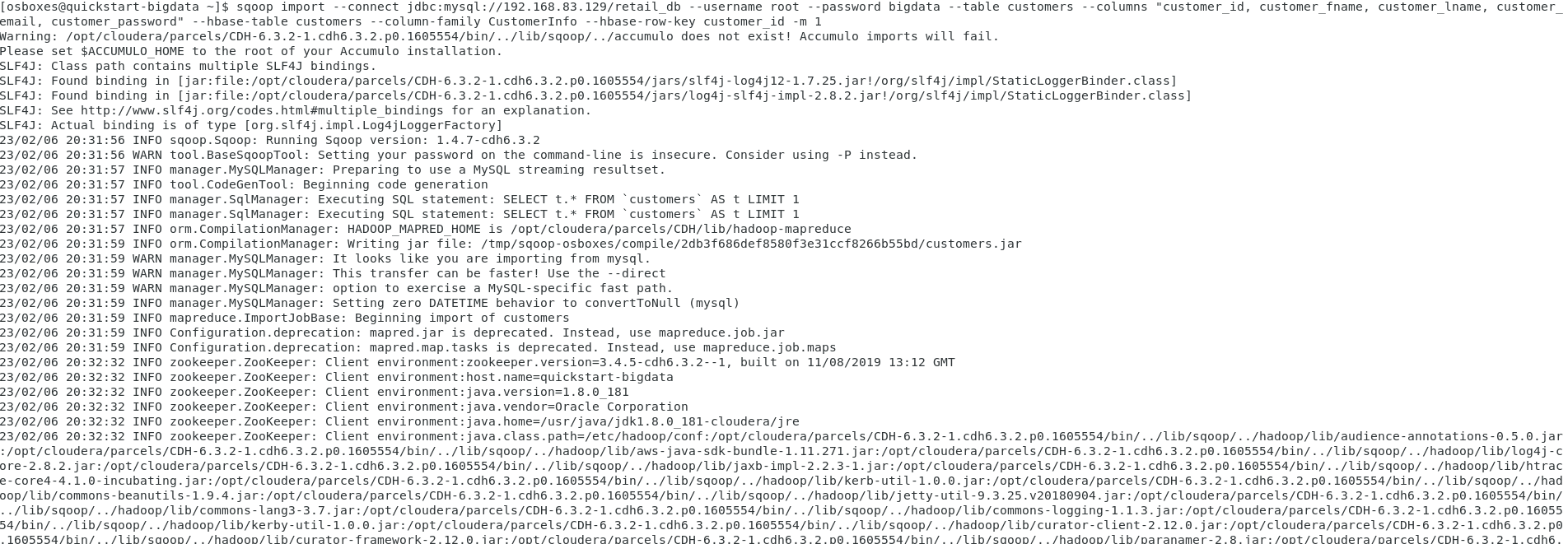
hbase(main):005:0> describe 'customers'

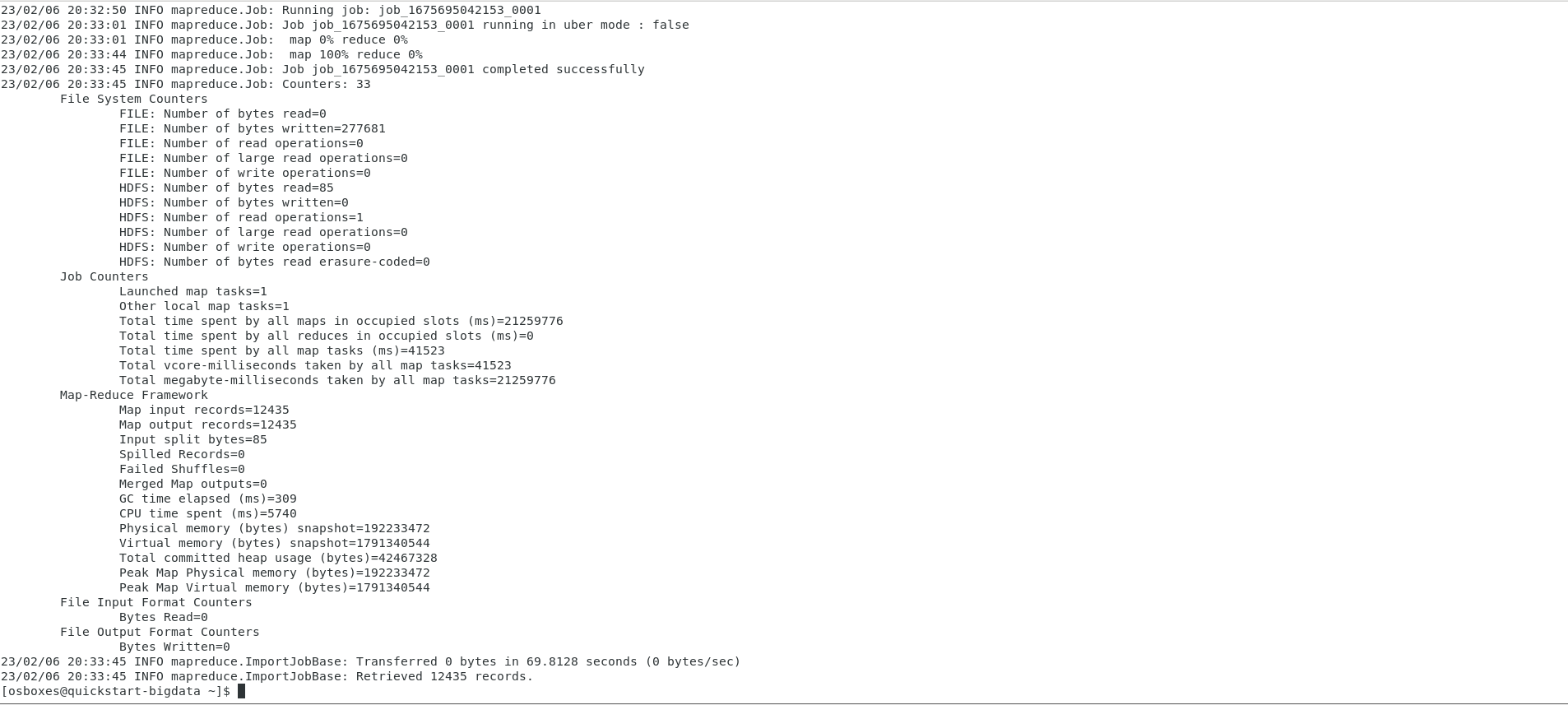
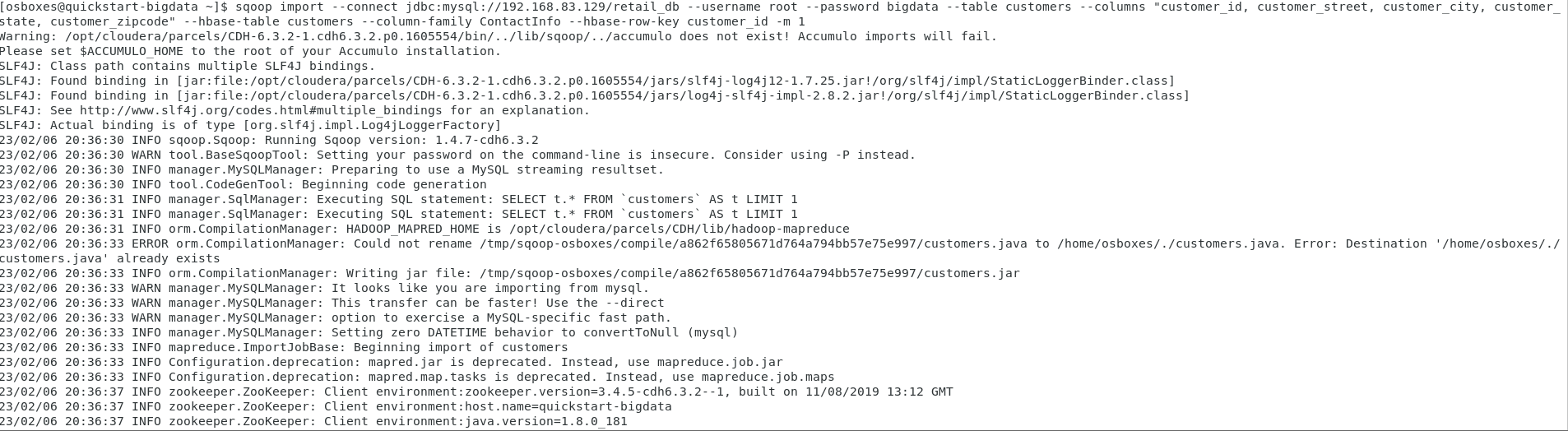


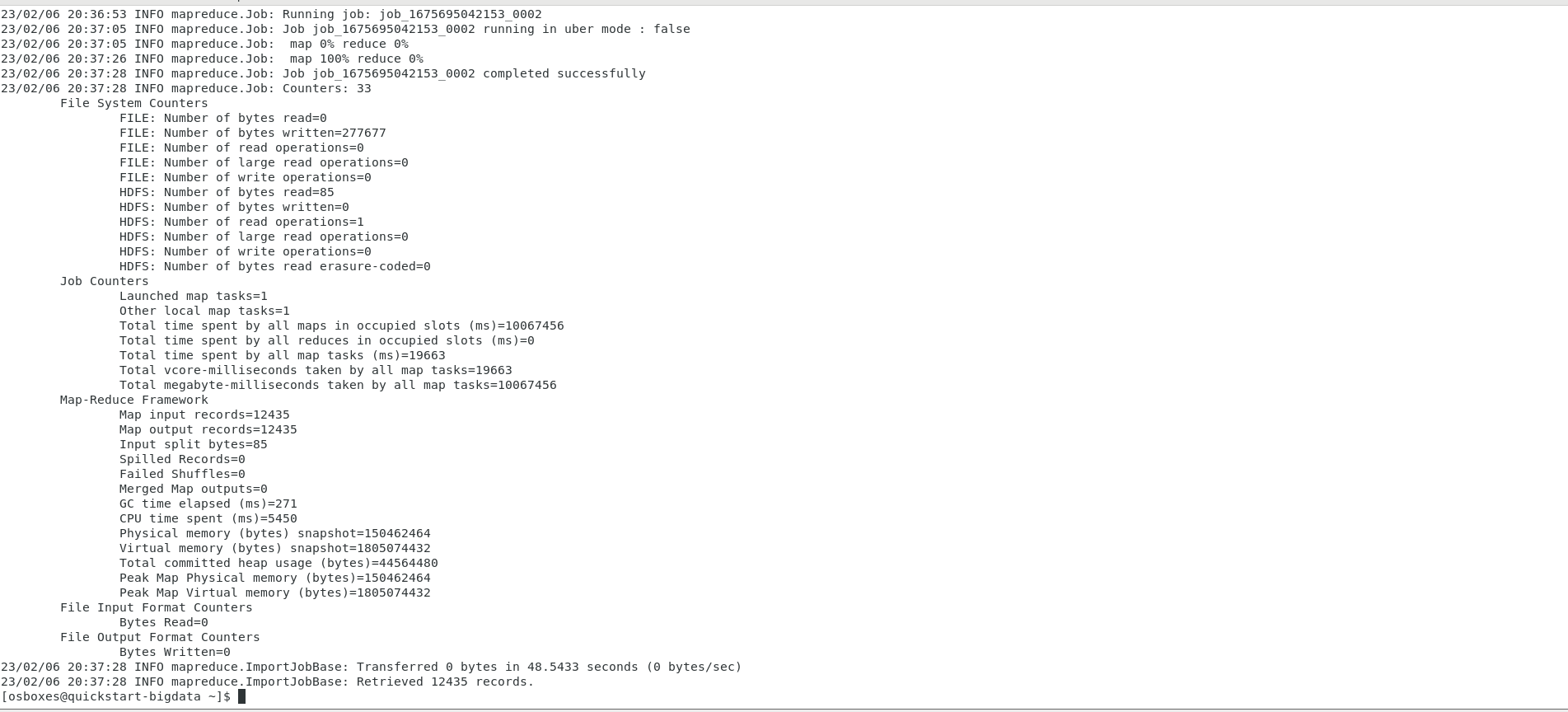
***3****\_Import data from MySQL* ***retail\_db.customers*** *table*

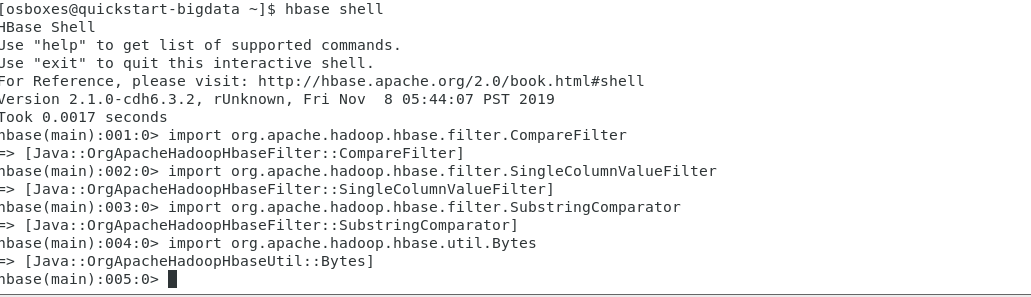
[osboxes@quickstart-bigdata ~]$ sqoop import --connect jdbc:mysql://192.168.83.129/retail\_db --username root --password bigdata --table customers --columns "customer\_id, customer\_fname, customer\_lname, customer\_email, customer\_password" --hbase-table customers --column-family CustomerInfo --hbase-row-key customer\_id -m 1

[osboxes@quickstart-bigdata ~]$sqoop import --connect jdbc:mysql://192.168.83.129/retail\_db --username root --password bigdata --table customers --columns "customer\_id, customer\_street, customer\_city, customer\_state, customer\_zipcode" --hbase-table customers --column-family ContactInfo --hbase-row-key customer\_id -m 1

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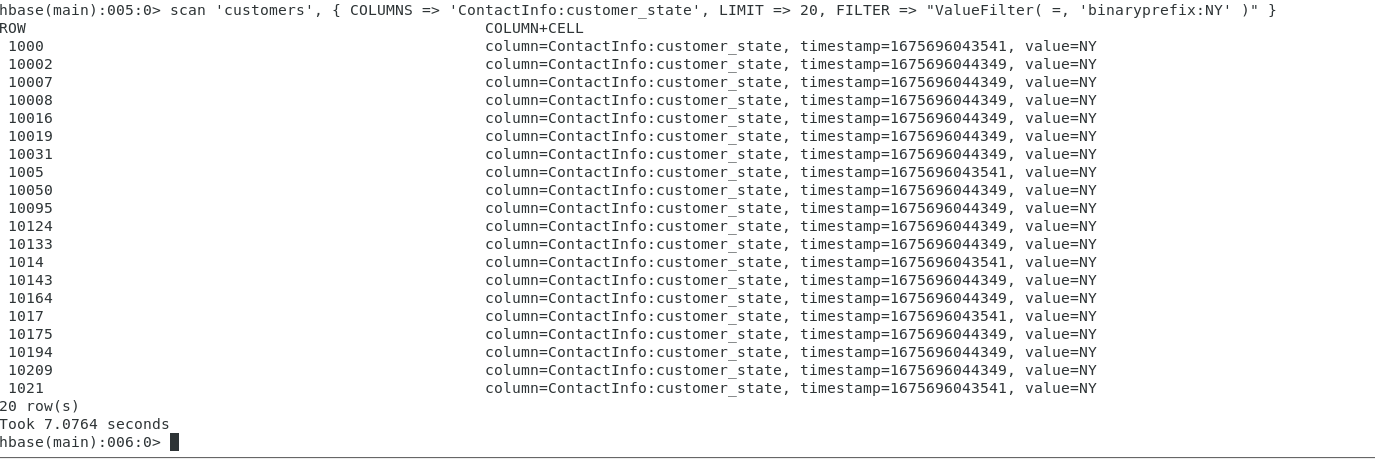


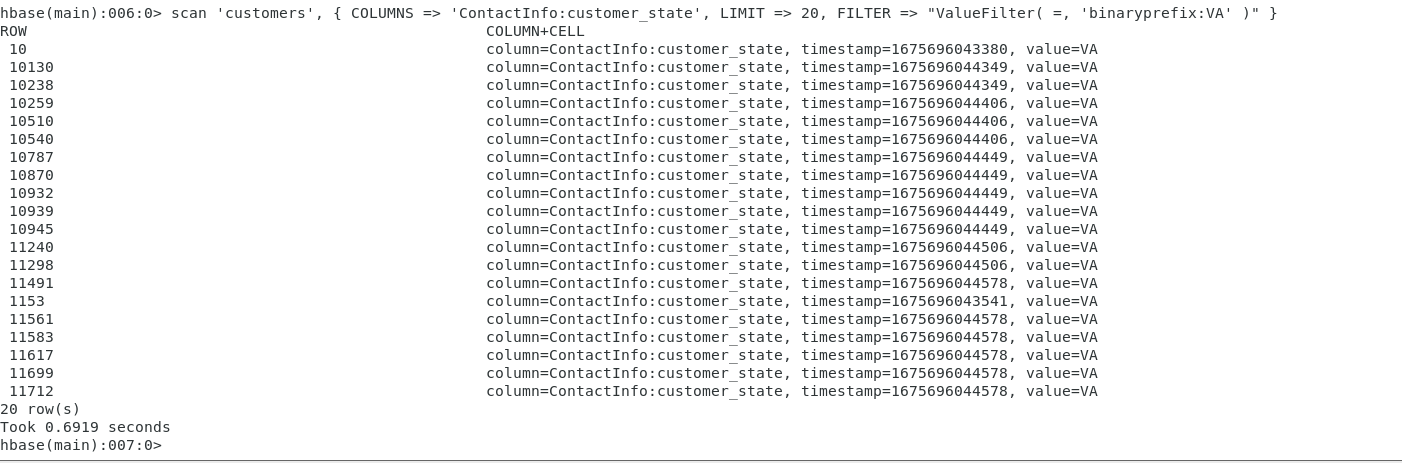


**4 : Scan Table and filter**

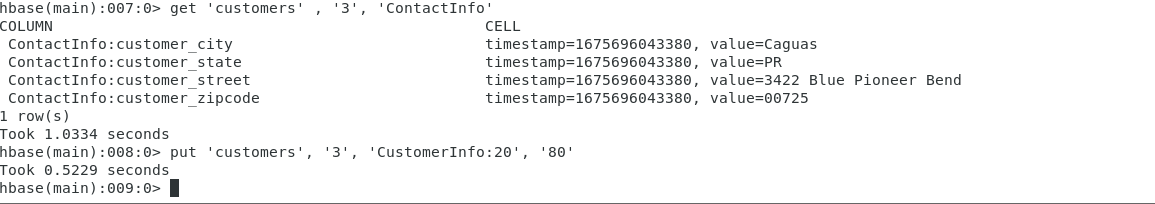
scan 'customers', { COLUMNS => 'ContactInfo:customer\_state', LIMIT => 20, FILTER => "ValueFilter( =, 'binaryprefix:NY' )" }

scan 'customers', { COLUMNS => 'ContactInfo:customer\_state', LIMIT => 20, FILTER => "ValueFilter( =, 'binaryprefix:VA' )" }





**5\_: Demonstrate the application by PUT command and GET command**

Get to get values by table name and row hey and column family

Put to insert values by table name and row hey and column family