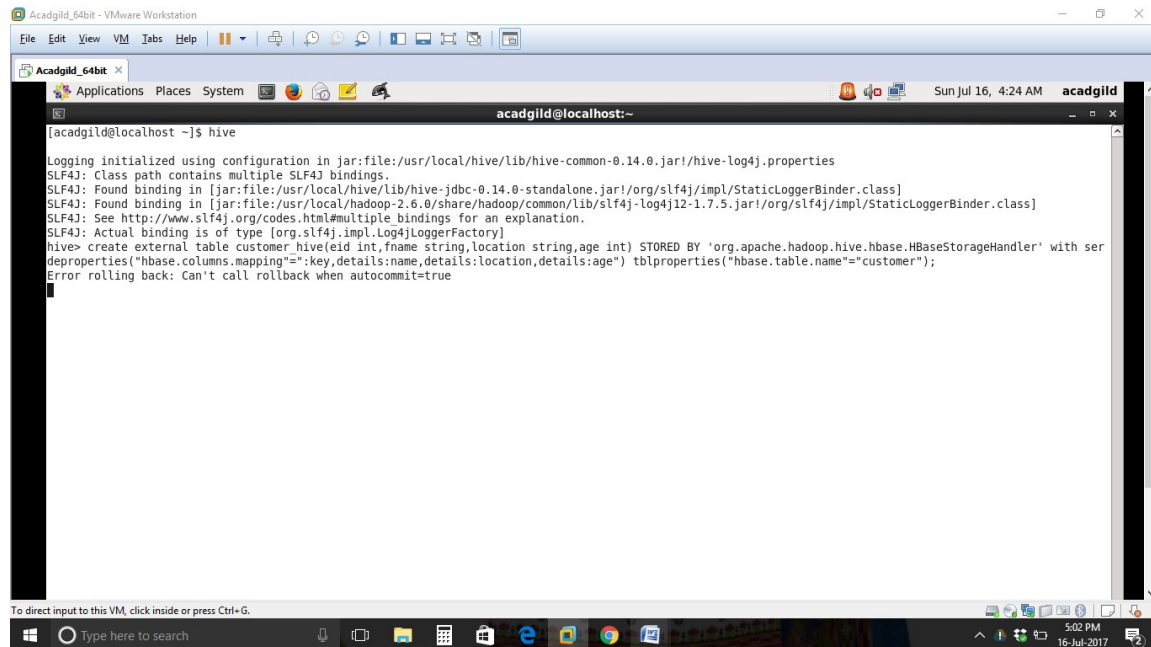# Assignment 19.1

Problem Statement 1:

Create a customer_hive table on the top of 'customer' table created in the last session. Calculate the maximum and minimum age of customer from the table.
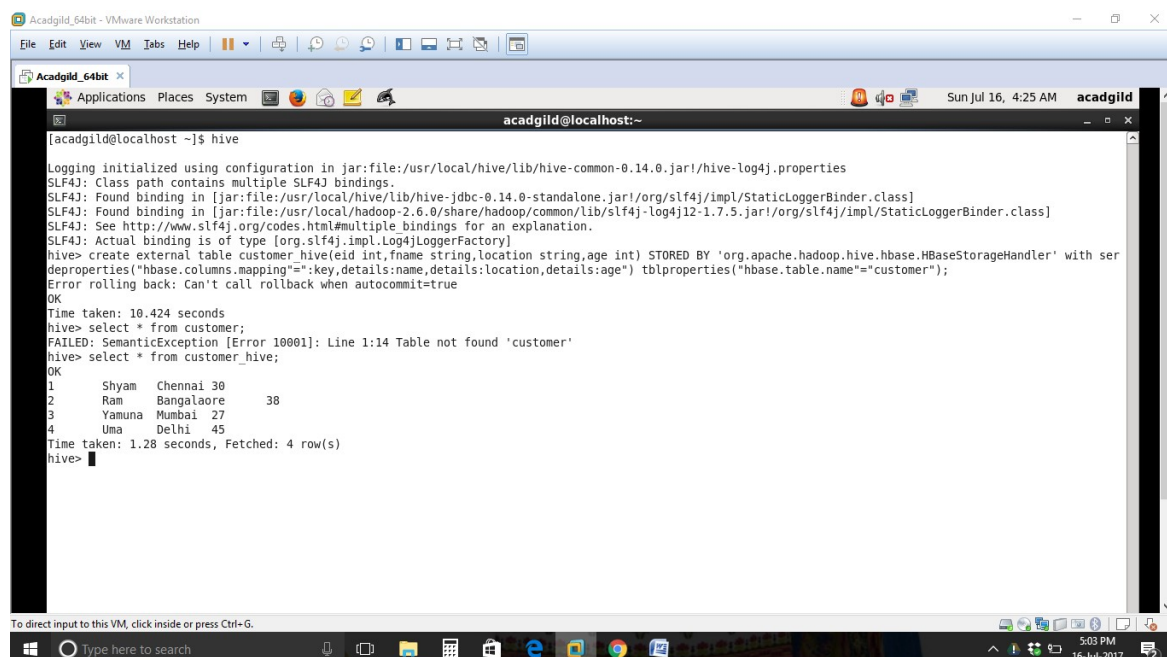
Hbase table Customer :

Table created in hive on top of hbase table customer

create external table customer_hive (eid int,fname string,location string,age int) STORED BY 'org.apache.hadoop.hive.hbase.HBaseStorageHandler' with serdeproperties ("hbase.columns.mapping"= ":key,details:name,details:location,details:age") tblproperties("hbase.table.name"="customer");

Rows of hbase table is loaded in hive table customer_hive

Problem Statement 2:

2. Access the customer hbase table from pig and compute the maximum and minimum age among all the customers along with their corresponding name and id.
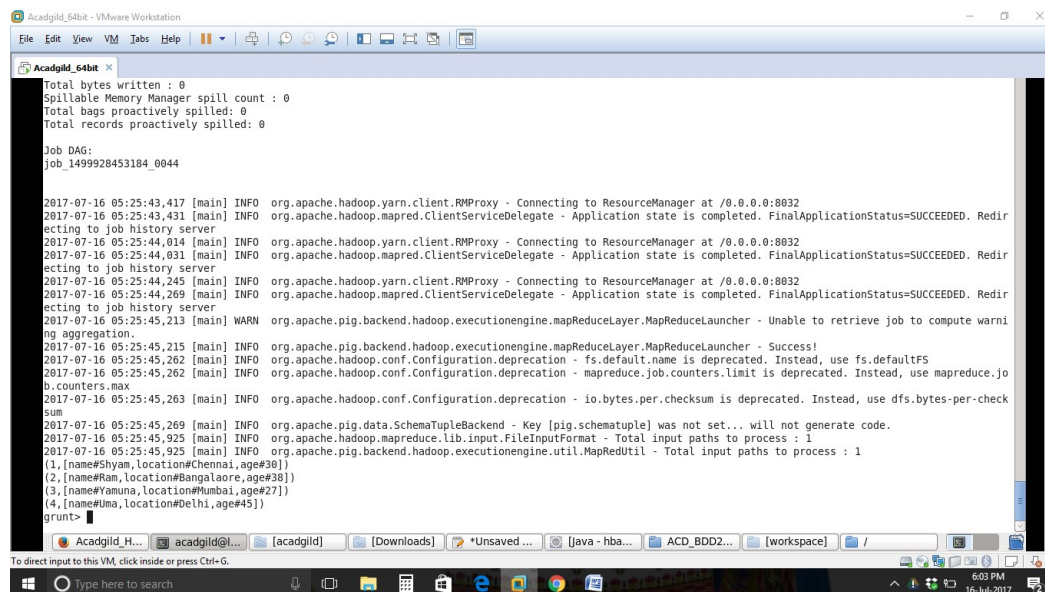
data = LOAD 'hbase://customer' USING org.apache.pig.backend.hadoop.hbase.HBaseStorage('details:*','-loadKey true') as (id:int, details:MAP[]);

dump data;
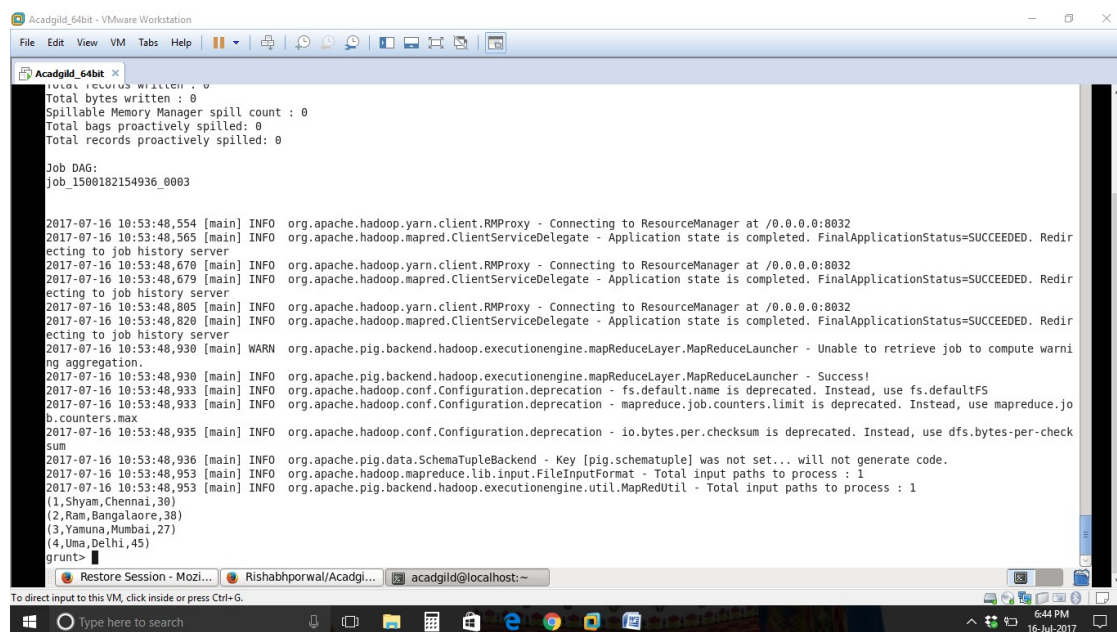

Data from hbase table is loaded in pig

result = FOREACH data GENERATE id, details#'name', details#'location', details#'age' as age;

dump result;
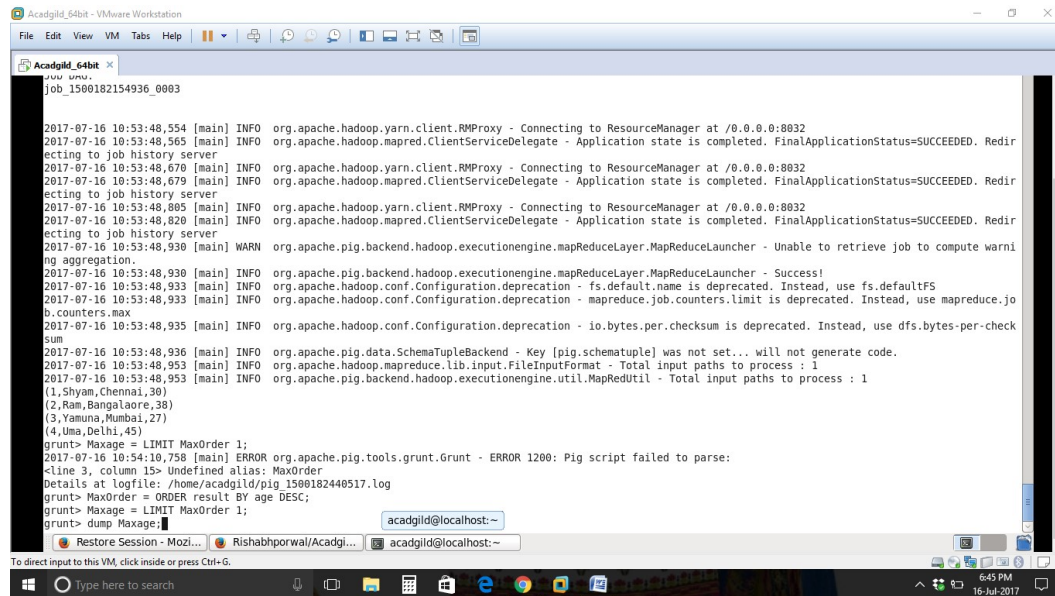
Maximum age:

MaxOrder = ORDER result BY age DESC;
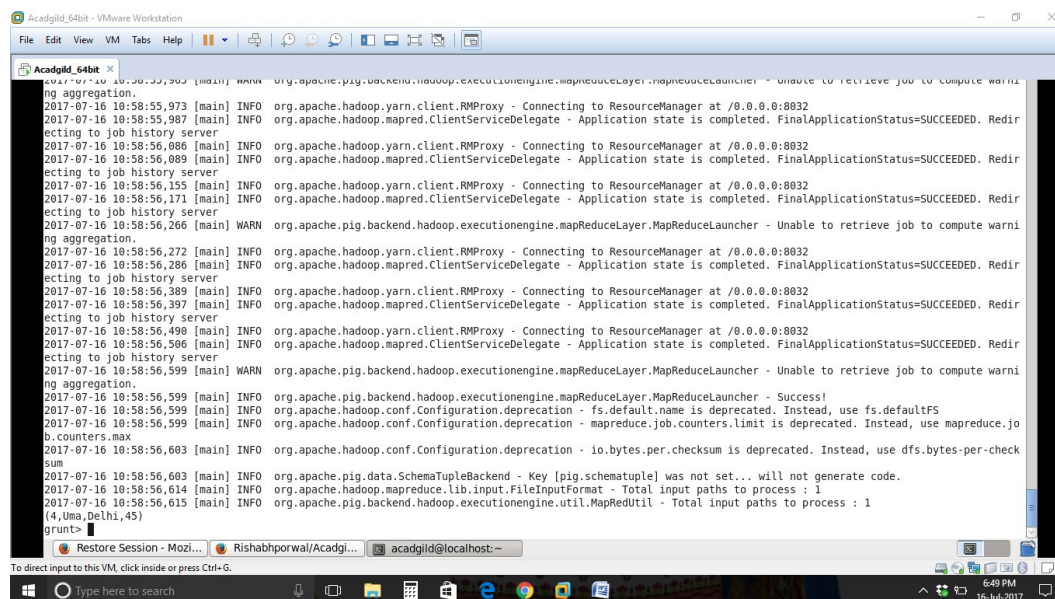
Maxage = LIMIT MaxOrder 1;

DUMP Maxage;

Records of customer with maximum age

Minimum Age:

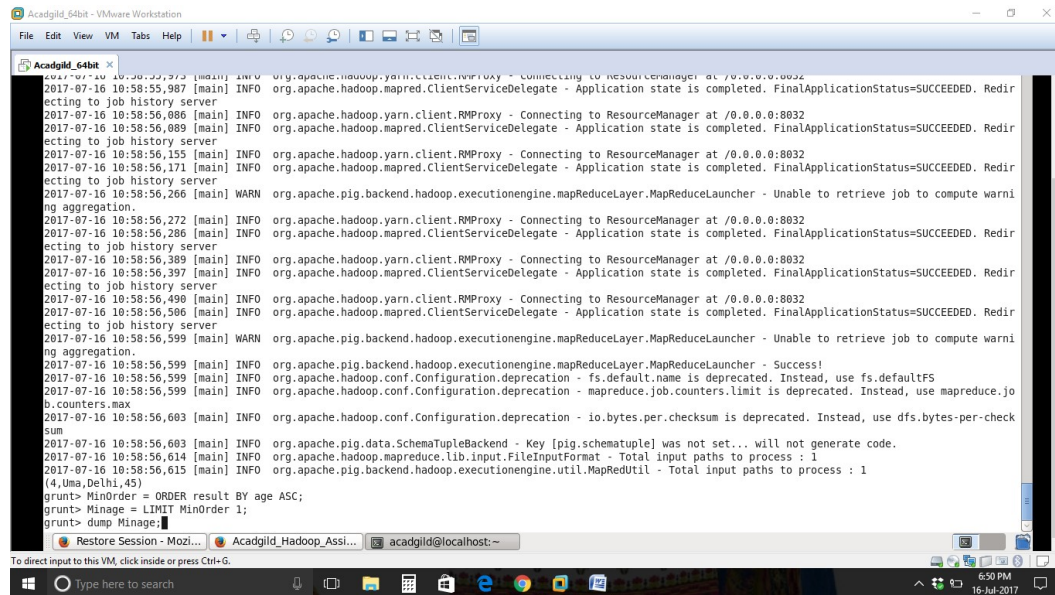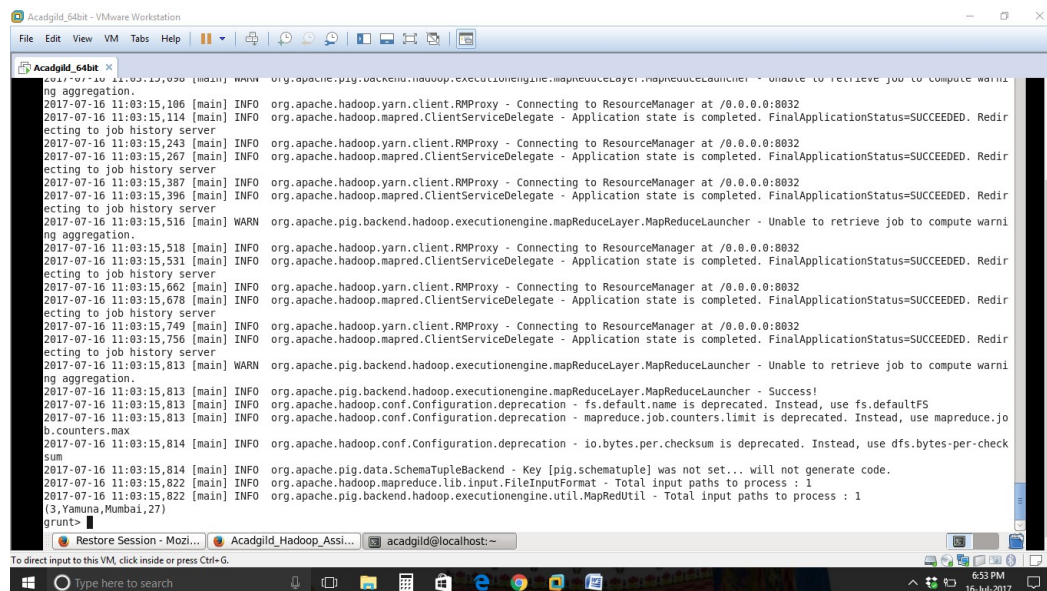MinOrder = ORDER result BY age ASC;

Minage = LIMIT MinOrder 1;

DUMP Minage;