In Mysql

create database college;

use college;

CREATE TABLE topten(

customer\_id INT NOT NULL ,

fname VARCHAR(40) NOT NULL,

lname VARCHAR(40) NOT NULL,

age int NOT NULL,

profession VARCHAR(40) NOT NULL,

amount double NOT NULL

);

CREATE TABLE student\_master(

student\_id INT NOT NULL AUTO\_INCREMENT,

name VARCHAR(40) NOT NULL,

address VARCHAR(40) NOT NULL,

PRIMARY KEY ( student\_id ));

CREATE TABLE fy(

fy\_id INT NOT NULL AUTO\_INCREMENT,

student\_id INT NOT NULL,

result double NOT NULL,

PRIMARY KEY (fy\_id ));

show tables;

describe student\_master;

INSERT INTO student\_master

(name, address)

VALUES

("Sanjay", "Bangalore");

INSERT INTO student\_master

(name, address)

VALUES

("Rajiv", "Delhi");

INSERT INTO student\_master

(name, address)

VALUES

("Rajesh", "Chennai");

INSERT INTO student\_master

(name, address)

VALUES

("Sandeep", "Delhi");

INSERT INTO fy

(student\_id, result)

VALUES

(1, 81.90);

INSERT INTO fy

(student\_id, result)

VALUES

(2, 78.90);

LIST DATABASES

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[hduser@ubuntu ~]$ sqoop list-databases --connect jdbc:mysql://localhost --username root --password '';

OR

sqoop list-databases --connect jdbc:mysql://localhost --username root -P;

LIST TABLES in a database

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[hduser@ubuntu ~]$ sqoop list-tables --connect jdbc:mysql://localhost/college --username root --password '';

Import one table (with key)from mysql into HDFS

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[hduser@ubuntu ~]$ sqoop import --connect jdbc:mysql://localhost/college --username root --password '' --table student\_master --target-dir /niit/student\_master;

Import one table (without key)from mysql into HDFS

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[hduser@ubuntu ~]$ sqoop import --connect jdbc:mysql://localhost/college --username root --password '' --table topten --target-dir /niit/topten -m 1;

import table to avro type or a sequence

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sqoop import --connect jdbc:mysql://localhost/college --username root --password '' --table topten --target-dir /niit/top10avro --as-avrodatafile -m 1 ;

create table in hive

CREATE TABLE toptenavro

ROW FORMAT SERDE 'org.apache.hadoop.hive.serde2.avro.AvroSerDe'

STORED AS INPUTFORMAT 'org.apache.hadoop.hive.ql.io.avro.AvroContainerInputFormat'

OUTPUTFORMAT 'org.apache.hadoop.hive.ql.io.avro.AvroContainerOutputFormat'

TBLPROPERTIES (

'avro.schema.literal'='{

"namespace": "abc",

"name": "top10",

"type": "record",

"fields": [

{ "name":"customer\_id","type":"int"}, { "name":"fname","type":"string"}, { "name":"lname","type":"string"},{ "name":"age","type":"int"},{ "name":"profession","type":"string"},{ "name":"amount","type":"double"}]

}');

load data inpath '/niit/top10avro/part-m-00000.avro' overwrite into table toptenavro'

sqoop import --connect jdbc:mysql://localhost/college --username root --password '' --table topten --target-dir /niit/top10seq --as-sequencefile -m 1 ;

sqoop import --connect jdbc:mysql://localhost/college --username root --P ''--table student\_master --target-dir /niit/query -m 1;