1. **Refer the above given link for File formats in Hive and implement all the file formats in Hive by using any publicly available data set of your choice.**

**TEXT FILE FORMAT:**

Create database Hive\_Tables;

Use database Hive\_Tables;

Create table hiveTextTable(Name String,ColUndertaken String,DOB String,Stream String, Grade float, State String, City String) row format delimited fields terminated by ‘,’ stored as textfile;

hive> describe textfiletable;

OK

name string

colundertaken string

dob string

stream string

grade float

state string

city string

Time taken: 0.63 seconds, Fetched: 7 row(s)

Load data local inpath ‘/home/cloudera/HiveTable.csv’ into table hiveTextTable;

Select Name from hiveTextTable;

Gemperling

Gable

Goldsmith

**SEQUENCE FILE FORMAT:**

create table sequencefiletable(Name String,Colundertaken String,DOB String,Stream String,Grade Float,State String,City String) row format delimited fields terminated by ',' stored as sequencefile;

hive> describe sequencefiletable;

OK

name string

colundertaken string

dob string

stream string

grade float

state string

city string

Time taken: 0.477 seconds, Fetched: 7 row(s)

Overwrite into table sequencefiletable select \* from textfiletale;

Select Grade from sequencefiletable;

10.0

10.0

10.0

10.0

5.5

10.0

4.5

10.0

10.0

**RCFILE (Record Columnar file):**

create table rcfiletable(Name String,Colundertaken String,DOB String,Stream String,Grade Float,State String,City String) row format delimited fields terminated by ',' stored as rcfile;

hive> describe rcfiletable;

OK

name string

colundertaken string

dob string

stream string

grade float

state string

city string

Time taken: 0.419 seconds, Fetched: 7 row(s)

Insert overwrite table rcfiletable select \* from textfiletable;

MBBS

BE

BE

BE

BE

BE

BTECH

BBA

**ORCFILE (Optimized Row Columnar):**

Create table orcfiletable(Name String,Colundertaken String,DOB String,Stream String,Grade Float,State String,City String) row format delimited fields terminated by ',' stored as orcfile;

hive> describe orcfiletable;

OK

name string

colundertaken string

dob string

stream string

grade float

state string

city string

Time taken: 0.419 seconds, Fetched: 7 row(s)

Insert overwrite table orcfiletable select \* from textfiletable;