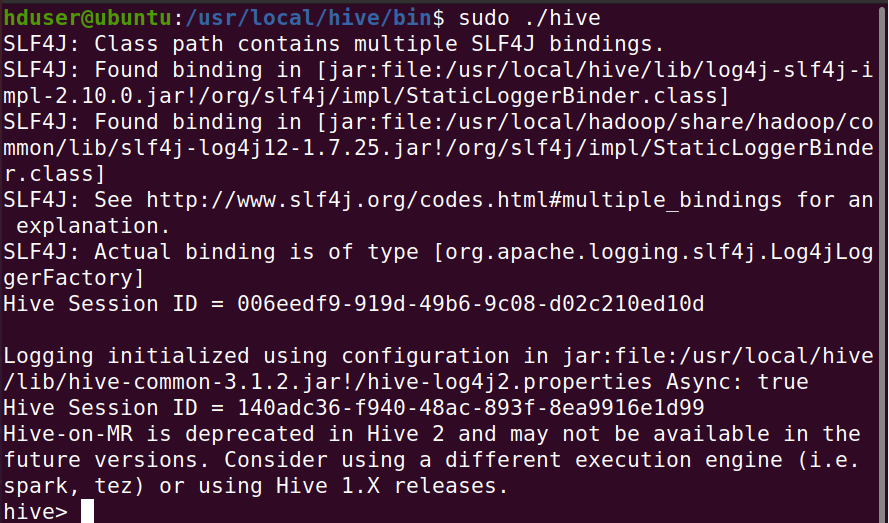
**Practical No 06**

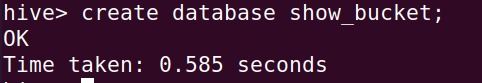
**Aim : Implement Bucketing using Hive**

1. **Create a database called “show\_bucket” , Create a table named “emp\_demo” in show\_bucket.db. Assume appropriate columns**

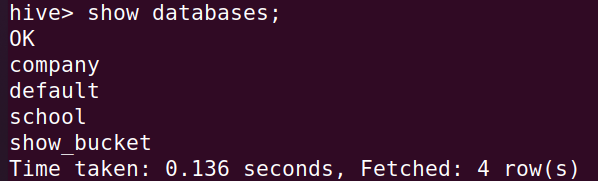
sudo ./hive



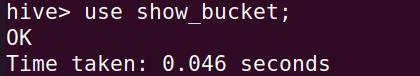
create database show\_bucket;



show databases;



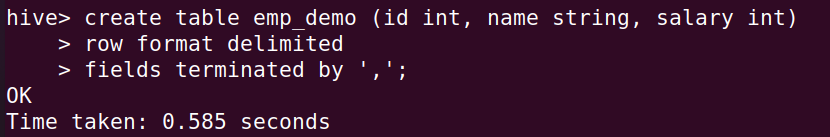
use show\_bucket;



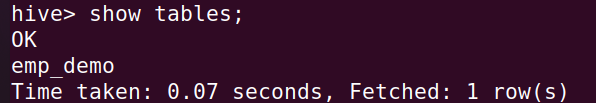
create table emp\_demo (id int, name string, salary int)

row format delimited

fields terminated by ',';



show tables;



1. **Create emp\_details.txt, assume appropriate data. Load data in emp\_demo table from file emp\_details.txt.**

quit;

sudo nano emp\_details.txt

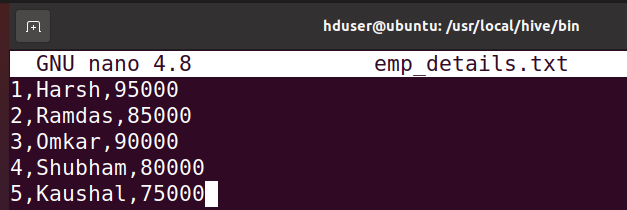
1,Harsh,95000

2,Ramdas,85000

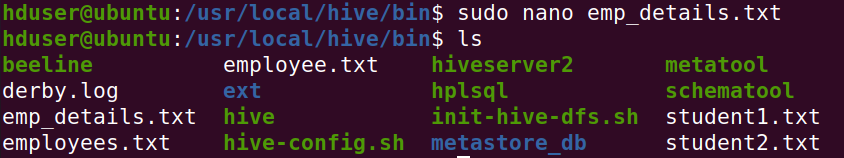
3,Omkar,90000

4,Shubham,80000

5,Kaushal,75000



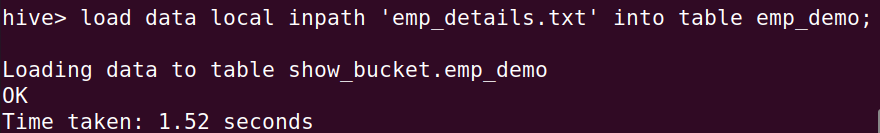
ls



sudo ./hive

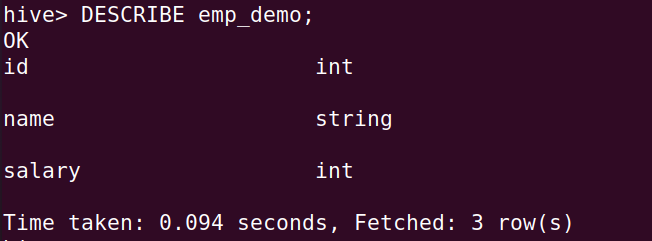
use show\_bucket

load data local inpath 'emp\_details.txt' into table emp\_demo;



1. **Verify the employee table along with its schema from terminal as well as browser 40.**

DESCRIBE emp\_demo;



1. **Enable the bucketing, Create a bucketing table “emp\_bucket”**

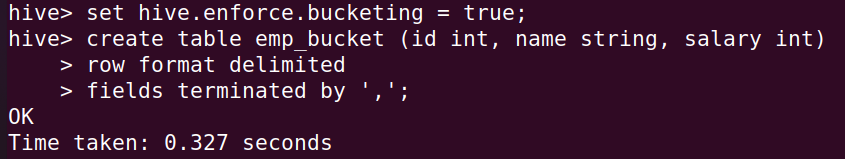
set hive.enforce.bucketing = true;



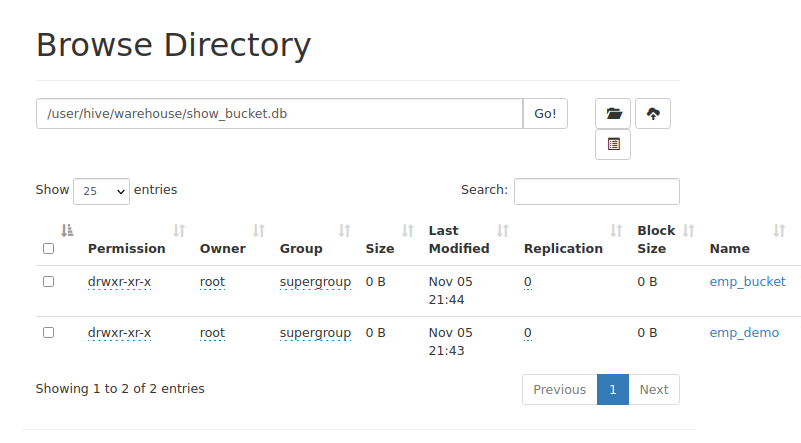
create table emp\_bucket (id int, name string, salary int)

row format delimited

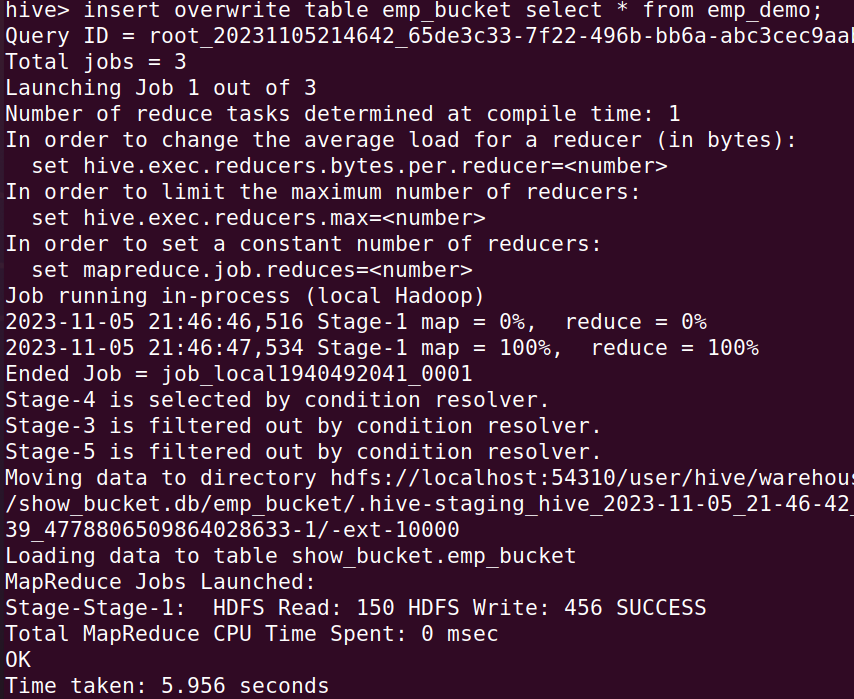
fields terminated by ',';



/user/hive/warehouse/show\_bucket.db



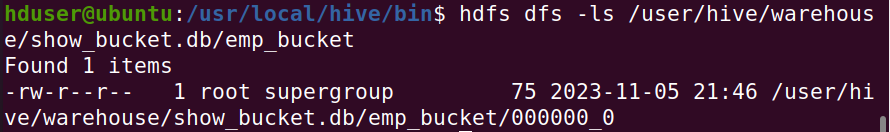
1. **Insert the data of emp\_demo table into the bucketed table.**

insert overwrite table emp\_bucket select \* from emp\_demo;

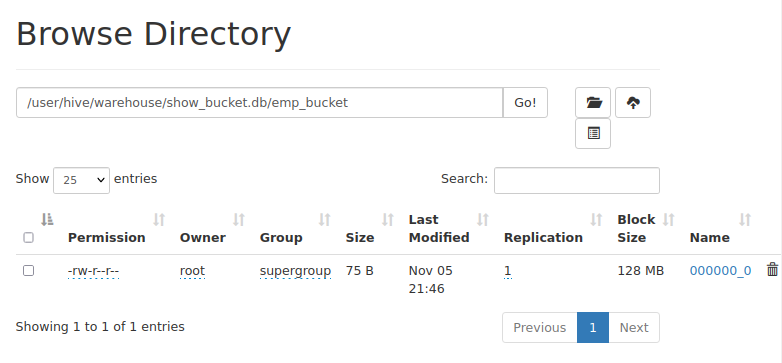
1. **Verify the output from terminal and browser**

quit;

hdfs dfs -ls /user/hive/warehouse/show\_bucket.db/emp\_bucket

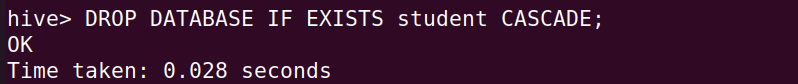


/user/hive/warehouse/show\_bucket.db/emp\_bucket

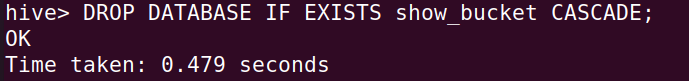


1. **Drop all tables &amp; database**

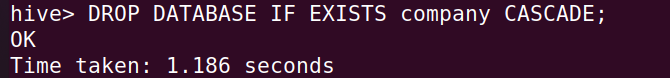
DROP DATABASE IF EXISTS student CASCADE;



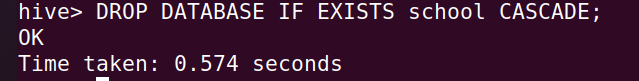
DROP DATABASE IF EXISTS show\_bucket CASCADE;



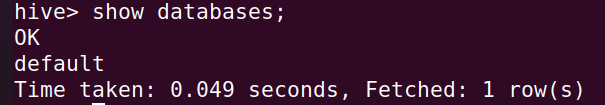
DROP DATABASE IF EXISTS company CASCADE;



DROP DATABASE IF EXISTS school CASCADE;



show databases;

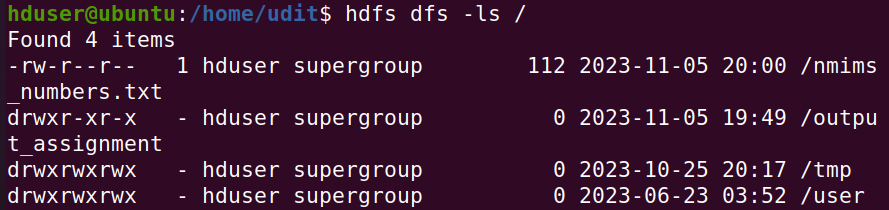


1. **Delete all files created in HDFS in this particular session only**

quit;

hdfs -dfs -rm -r /SDS

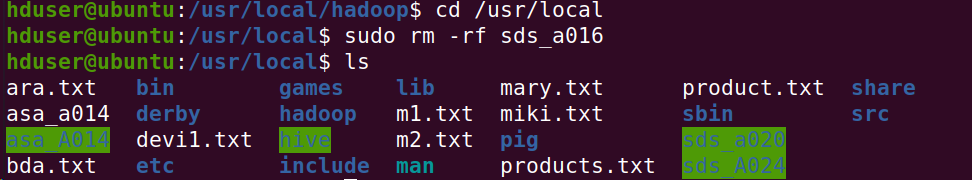




1. **Delete all files &amp; folders created in /usr/local in this particular session only**

cd /usr/local

sudo rm -rf sds\_a016



**Conclusion:** The practical for implementing bucketing in Hive was successfully completed.