Name: Prevna Sunil Jadhav

Sap 1D: 60004220127

Batch: C22

Course: Big Data Infrastructure laboratory

Course code: DJ19 (EEL6011

EXPERIMENT 04

AIM: Execute HIVE commands to load, insert,

retrieve, update or delete data in tables

THEORY: mon this bid that the want story ("

- to process the shutured datate in Hadoop.
- Big Data, and makes quenying and analyzing easy.
- Initially the was developed by facebook,
 later the Apache Software Foundation took
 it up and developed it further as an
 - open sourse under the name Apache tire.
- > 11 is used by different companies. For Example, Amazon uses it in Amazon Elastic MapReduce
- -> features of time:
 - processed data into HDFs
 - of is designed for OLAP
 - · It is familiar, tast, scalable & extensible.

	7 the laine
	COMMANDS: [noot@sandbox of # live
	£3/033F0009 31/ 48/2
D	chow databases:
	-> shows databases already existing in time.
	MONTES COM: DIGLESCON
2)	create database student;
	- creates a new database, here, student.
2)	use student; browner JVIH dussis MIA
7	- using the database for executing queries.
6.32 Cc.)	Joseph Jo
<u> </u>	create table student (id int, name varchar (20),
	branch varchar (20), mobile int)
3,000	PARTITIONED by (load-date date)
	CLUSTERED by (id) INTO 3 Buckets STORED as ORC TBUPROPERTIES (:transactional:
FIRTH	-> creats table in the DB. = 'hue');
6)	into etylent partition (land date
2/	insert into student partition (load-date=
	12023-03-09') values (101, 1Prema', '17', 12346);
	spen source under the name
(6 × ax	select * from student;
المولادوا	> To display contents of table.
-1	- features of Hive:
7)	select id, name from student order by id desc;
	-> order by clause (ordering the result
	in descending order, by default ascending order).
ldinatz	ascending order).

- 8) select branch, count (*) from student
 Group by branch;

 -> Grouping the result with respect to
 branch here.
- a) update student set name: Diksha' where
 id = 101;

 > updates the value in the table
- Delete the entry from the table.
- in) after table student rename to shed;
- 12) alter table stud add columns (cgpa double);

 add new column in the table
- 13) after table stud change name sname shing;

 Changing the column name with after

 statement, also changing the the datatype

 from varchor to shing.
- select sum (cgpa), max (cgpa), min (cgpa),

 avg (cgpa), count (cgpa) from stud;

 performing aggregate functions (sum, max,

 min, avg, count) on the table.

- 15) Relational operations in tive

 Select * from stud where capa < 9.0;

 select * from stud where capa >= 7.5;
- Joins in Hire

 Inner: select * from customers c join orders

 o on (c.id = o. customer_id);

 I full outer: Select * from customer c full

 outer join order o on (c.id = o. cust-id);
- views in Hire

 create view if not exists wstomers_vw

 as select * from customers where

 address = "Mumbai";

 recating view
- 18) Dropping the view drop view if exists customers vw;

we have successfully executed MIVE queries using HQL in Hadrop.

and (cabe) connt (caba) how stry!

portonning agangate functions (sum, max, min, ave, courth on the table.

atics warm amusos with many a



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Academic Year: 2022-2023

Name:	Prerna Sunil Jadhav
Sap Id:	60004220127
Class:	T. Y. B. Tech (Computer Engineering)
Course:	Big Data Infrastructure Laboratory
Course Code:	DJ19CEEL6011
Experiment No.:	04

AIM: Execute Hive commands to load, insert, update or delete data in tables.

OUTPUT:

```
sandbox login: root
root@sandbox.hortonworks.com's password:
Last login: Wed Feb 7 03:26:53 2024 from 172.17.0.2
[root@sandbox ~]# hive
Logging initialized using configuration in file:/etc/hive/2.5.0.0-1245/0/hive-log4j.properties
hive> show databases;
default
foodmart
xademo
hive> create database prernaDB;
Time taken: 2.276 seconds
hive> use prernaDB;
Time taken: 0.274 seconds
hive> create table prerna(id int, name varchar(20), branch varchar(20), mobile int)
   > PARTITIONED BY (load_date date)
   > CLUSTERED BY (id) INTO 3 BUCKETS
   > STORED AS ORC TBLPROPERTIES ('TRANSACTIONAL'='true');
Time taken: 1.084 seconds
hive> describe prerna;
                        int
                        varchar(20)
name
                        varchar(20)
branch
mobile
                        int
load date
                        date
# Partition Information
# col name
                       data_type
                                                comment
load_date
                        date
Time taken: 0.604 seconds, Fetched: 10 row(s)
hive> describe prernaDB DEFAULT;
FAILED: SemanticException [Error 10001]: Table not found prernaDB
hive> describe DATABASE prernaDB;
prernadb
                        hdfs://sandbox.hortonworks.com:8020/apps/hive/warehouse/prernadb.db
Time taken: 0.308 seconds, Fetched: 1 row(s)
hive> insert into prerna partition (load_date = '01-01-2024') values (101,'Prerna','Computer',98765
.
FAILED: SemanticException [Error 10248]: Cannot add partition column load_date of type string as it
ot be converted to type date
nive> insert into prerna partition (load_date = 01-01-2024) values (101, 'Prerna', 'Computer', 9876543
```



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```
ive> insert into prerna partition (load_date = '2024-02-14') values (101,'Prerna','Computer',98765
43210);
Query ID = root_20240214033300_12570c8c-8e3b-4b44-af8a-4168fbaf705d
Total jobs = 1
aunching Job 1 out of 1
Tez session was closed. Reopening...
Session re-established.
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
       VERTICES
                     STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
Map 1 .....
oading data to table prernadb.prerna partition (load_date=2024-02-14)
Partition prernadb.prerna{load_date=2024-02-14} stats: [numFiles=1, numRows=0, totalSize=839, rawDa
taSize=0]
hive> insert into prerna partition (load_date = '2024-02-14') values (102,'Akshata','EXTC',99988877
7666);
Query ID = root_20240214033428_a06736de-b8a0-47cb-8721-827ff194d39e
Total jobs = 1
aunching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
                     STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
       VERTICES
Map 1 .....
.oading data to table prernadb.prerna partition (load_date=2024-02-14)
Partition prernadb.prerna{load_date=2024-02-14} stats: [numFiles=2, numRows=0, totalSize=1669, rawD
ataSize=01
Time taken: 8.092 seconds
hive> insert into prerna partition (load_date = '2024-02-14') values (103,'Diksha','Mechanical',816
39852):
Query ID = root_20240214033523_59c07c0e-94e6-441c-a9e7-bd246c9870e5
Total jobs = 1
aunching Job 1 out of 1
```



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```
STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
       VERTICES
lap 1 ..... SUCCEEDED
oading data to table prernadb.prerna partition (load_date=2024-02-14)
Partition prernadb.prerna{load_date=2024-02-14} stats: [numFiles=3, numRows=0, totalSize=2545, rawD
hive> select * from prerna;
                                         2024-02-14
       Prerna Computer
       Akshata EXTC NULL 2024-02-1
Diksha Mechanical 81639852
                                2024-02-14
103
                                                  2024-02-14
hive> select id, name from prerna order by id desc;
Query ID = root_20240214033840_1c1aaee1-09fb-48f6-9c1a-585d9756a3b6
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
       VERTICES
                      STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
       Diksha
103
102
       Akshata
       Prerna
nive> insert into prerna partition (load_date = '2024-02-14') values (104,'Yash','EXTC',816392);
Query ID = root_20240214034312_87ad898b-9224-4e40-b42a-a1a0ea30b868
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
```



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VERTICES	STATUS	TOTAL CO	MPLETED RU	JNNING P	NDING F	AILED	KILLED	
Map 1			1	0	0	0	0	
ERTICES: 01/01 [====>>] 16	90% ELAP	SED TIME:	6.61		
taSize=0] K ime taken: 9.346 ive> insert into 52);	.prerna{load seconds prerna parti	_date=2024 tion (load	4-02-14} st d_date = '2	eats: [nui	nFiles=4, l') value	numRov	us=0, totalSize=3364 'Krishna','Mechanio	
uery ID = root_20 otal jobs = 1 aunching Job 1 ou		_0/eb/d2/	-008a-4406-	-000/-25a.	25e9a6609			
tatus: Running (E								
VERTICES	STATUS	TOTAL CO	MPLETED RU	INNING P	NDING F	AILED	KILLED	
ap 1		1			0	0		
ERTICES: 01/01 [====>>] 16	90% ELAP	ED TIME:	2.90		
taSize=0] K	ble prernadb p.prerna{load	.prerna p	artition (1				us=0, totalSize=4236	o, rawD
ime taken: 5.408 ive> insert into uery ID = root_20 otal jobs = 1	prerna parti						'Kajal','Chemical',	84555)
aunching Job 1 ou	t of 1							
tatus: Running (E	xecuting on	YARN clus	cer with Ap	op id app	lication_	1707880	0073946_0002)	
VERTICES	STATUS	TOTAL CO	MPLETED RU	JNNING P	NDING F	AILED	KILLED	
ap 1	SUCCEEDED	1	1	0	0	0	0	
ERTICES: 01/01 [====>>] 16	00% ELAP	ED TIME:	2.25		



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```
Loading data to table prernadb.prerna partition (load_date=2024-02-14)
Partition prernadb.prerna{load_date=2024-02-14} stats: [numFiles=6, numRows=0, totalSize=5095, rawD
ataSize=0]
Time taken: 4.007 seconds
hive> select * from prerna;
       Akshata EXTC NULL 2024-02-14
Diksha Mechanical
101
       Prerna Computer
102
103
                                                   2024-02-14
       Yash EXTC 816392 2024-02-14
Krishna Mechanical 85852 2024-02-14
Kajal Chemical 84555 2024-02-14
104
       Krishna Mechanical
105
106
Time taken: 0.166 seconds, Fetched: 6 row(s)
hive> SELECT branch, count(*) FROM prerna GROUP BY branch;
Query ID = root_20240214034613_bd0b8fd4-fbfa-461a-842e-e02c1e834dca
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
                       STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
       VERTICES
Map 1 ..... SUCCEEDED
Reducer 2 .....
Chemical
Computer
Mechanical
Time taken: 14.684 seconds, Fetched: 4 row(s)
hive> update prerna set mobile=888552 where id=101;
Query ID = root_20240214035000_29c24cba-49cd-47b3-8a8e-f03d592c0bfd
Total jobs = 1
aunching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
        VERTICES
                       STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
```



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```
rtition prernadb.prerna{load_date=2024-02-14} stats: [numFiles=7, numRows=0, totalSize=5965,
ataSize=0]
Time taken: 22.841 seconds
nive> update prerna set mobile=888552 where id=102;
Query ID = root_20240214035201_1260ea37-75c3-419e-8f0e-8957f8d430f4
Total jobs = 1
aunching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
                       STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
       VERTICES
lap 1 .....
                   SUCCEEDED
Reducer 2 .....
                   SUCCEEDED
oading data to table prernadb.prerna partition (load_date=null)
         Time taken for load dynamic partitions : 699
        Loading partition {load_date=2024-02-14}
Time taken for adding to write entity : 0
Partition prernadb.prerna{load_date=2024-02-14} stats: [numFiles=8, numRows=0, totalSize=6836, rawD
ataSize=0]
Time taken: 14.194 seconds
       Prerna Computer
                                 888552 2024-02-14
       Akshata EXTC 888552 2024-02-14
102
103
                                                  2024-02-14
104
                                 85852 2024-02-14
84555 2024-02-14
105
       Kajal Chemical
Time taken: 0.187 seconds, Fetched: 6 row(s)
hive> delete from prerna where name='Prerna'
Query ID = root_20240214035417_f936f3cd-97b7-4415-9784-769bff40fe42
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
                       STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
        VERTICES
```



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```
hive> select * from prerna;
        Akshata EXTC 888552 2024-02-14
Diksha Mechanical 81639852
Yash EXTC 816392 2024-02-14
                                                           2024-02-14
104
         Krishna Mechanical
                                      85852 2024-02-14
84555 2024-02-14
prernatable
values__tmp__table__1
values__tmp__table__2
values__tmp__table__3
values__tmp__table__4
values__tmp__table__5
values__tmp__table__7
values__tmp__table__8
values__tmp__table__9
Time taken: 0.16 seconds, Fetched: 10 row(s)
hive> alter table prernaTable add columns(cgpa double);
id
name
                            varchar(20)
                             varchar(20)
nobile
                             double
load_date
                             date
# Partition Information
# col name
                            data_type
                                                         comment
load_date
hive> select * from prernaTable;
                                               2024-02-14
         Diksha Mechanical
Yash EXTC 816392
                                                                    2024-02-14
                                      NULL 2024-02-14
106
         Kajal Chemical
                                                          2024-02-14
```



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```
ive> alter table prernaTable CHANGE name sname String;
hive> update prernaTable set cgpa=9.3 where id=102;
Query ID = root_20240214035910_5623fb72-56df-46d1-81b8-40abe35bca95
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
                       STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
        VERTICES
oading data to table prernadb.prernatable partition (load_date=null)
        Loading partition {load_date=2024-02-14}
         Time taken for adding to write entity: 0
Partition prernadb.prernatable{load_date=2024-02-14} stats: [numFiles=10, numRows=0, totalSize=8327
rawDataSize=0]
Time taken: 21.172 seconds
hive> select * from prernaTable;
       Akshata EXTC 888552 9.3 2024-02-14
Diksha Mechanical 81639852 NULL
Yash EXTC 816392 NULL 2024-02-14
Machanical 85852 NULL 2024
DΚ
102
                                                             2024-02-14
104
105
                                                    2024-02-14
106
        Kajal Chemical
                                                    2024-02-14
hive> select sum(cgpa) from prernaTable;
Query ID = root_20240214040100_4181bffb-a65b-46ab-be9a-38edd994780d
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
        VERTICES
                       STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
Мар 1 .....
                    SUCCEEDED
Reducer 2 .....
                    SUCCEEDED
```



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```
ive> alter table prernaTable CHANGE name sname String;
hive> update prernaTable set cgpa=9.3 where id=102;
Query ID = root_20240214035910_5623fb72-56df-46d1-81b8-40abe35bca95
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
                       STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
        VERTICES
                    SUCCEEDED
oading data to table prernadb.prernatable partition (load_date=null)
        Loading partition {load_date=2024-02-14}
         Time taken for adding to write entity: 0
Partition prernadb.prernatable{load_date=2024-02-14} stats: [numFiles=10, numRows=0, totalSize=8327
rawDataSize=0]
Time taken: 21.172 seconds
hive> select * from prernaTable;
       Akshata EXTC 888552 9.3 2024-02-14
Diksha Mechanical 81639852 NULL
Yash EXTC 816392 NULL 2024-02-14
Machanical 85852 NULL 2024
DΚ
102
                                                             2024-02-14
104
105
                                                    2024-02-14
106
        Kajal Chemical
                                                    2024-02-14
hive> select sum(cgpa) from prernaTable;
Query ID = root_20240214040100_4181bffb-a65b-46ab-be9a-38edd994780d
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
        VERTICES
                       STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
Мар 1 .....
                    SUCCEEDED
Reducer 2 .....
                    SUCCEEDED
```



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```
ive> alter table prernaTable CHANGE name sname String;
hive> update prernaTable set cgpa=9.3 where id=102;
Query ID = root_20240214035910_5623fb72-56df-46d1-81b8-40abe35bca95
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
                       STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
        VERTICES
oading data to table prernadb.prernatable partition (load_date=null)
        Loading partition {load_date=2024-02-14}
         Time taken for adding to write entity: 0
Partition prernadb.prernatable{load_date=2024-02-14} stats: [numFiles=10, numRows=0, totalSize=8327
rawDataSize=0]
Time taken: 21.172 seconds
hive> select * from prernaTable;
DΚ
       Akshata EXTC 888552 9.3 2024-02-14
Diksha Mechanical 81639852 NULL
Yash EXTC 816392 NULL 2024-02-14
102
                                                            2024-02-14
104
105
                                                   2024-02-14
106
       Kajal Chemical
                                                   2024-02-14
hive> select sum(cgpa) from prernaTable;
Query ID = root_20240214040100_4181bffb-a65b-46ab-be9a-38edd994780d
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
        VERTICES
                       STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
Мар 1 .....
                    SUCCEEDED
Reducer 2 .....
                   SUCCEEDED
```



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```
hive> update prernaTable set cgpa=8.4 where id=103;
Query ID = root_20240214040138_ab9bc15a-55bf-4aa6-a8e1-1324aa93e057
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
                     STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
       VERTICES
Map 1 ..... SUCCEEDED
Reducer 2 .....
                  SUCCEEDED
oading data to table prernadb.prernatable partition (load_date=null)
        Time taken for load dynamic partitions: 232
       Loading partition {load_date=2024-02-14}
        Time taken for adding to write entity: 0
Partition prernadb.prernatable{load_date=2024-02-14} stats: [numFiles=11, numRows=0, totalSize=9315
Time taken: 10.29 seconds
hive> update prernaTable set cgpa=9.65 where id=106;
Query ID = root_20240214040217_575fc595-0b96-4131-9562-fee04bd1541c
aunching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
       VERTICES
                     STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
                  SUCCEEDED
Reducer 2 .....
                  SUCCEEDED
.oading data to table prernadb.prernatable partition (load_date=null)
        Time taken for load dynamic partitions: 164
       Loading partition {load_date=2024-02-14}
Time taken for adding to write entity : 0
Partition prernadb.prernatable{load_date=2024-02-14} stats: [numFiles=12, numRows=0, totalSize=1028
8, rawDataSize=0]
```



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```
nive> select sum(cgpa) from prernaTable;
Query ID = root_20240214040233_0a24b166-1f88-44d2-8eca-b7110296dc79
Total jobs = 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
        VERTICES
                       STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
Reducer 2 .....
                   SUCCEEDED
Time taken: 9.513 seconds, Fetched: 1 row(s)
hive> select max(cgpa),min(cgpa), avg(cgpa) from prernaTable;
Query ID = root_20240214040308_b65aae0a-1aae-4212-9630-885ea4e90d3e
Total jobs = 1
aunching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
                       STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
        VERTICES
                   SUCCEEDED
Map 1 .....
Reducer 2 .....
9.65
      8.4 9.116666666666667
Time taken: 7.665 seconds, Fetched: 1 row(s)
nive> select * from prernaTable where cgpa<9;
       Diksha Mechanical
                                                   8.4
                                                           2024-02-14
Time taken: 0.4 seconds, Fetched: 1 row(s)
nive> select * from prernaTable where cgpa>9;
        Akshata EXTC
                        888552 9.3
                                          2024-02-14
                                 84555 9.65 2024-02-14
       Kajal Chemical
106
```

```
hive> select * from prernaTable where cgpa>9;

OK

102 Akshata EXTC 888552 9.3 2024-02-14

106 Kajal Chemical 84555 9.65 2024-02-14

Time taken: 0.256 seconds, Fetched: 2 row(s)

hive> create table customers(id int, name String, age int, address String, salary int)

> partitioned by (load_date date)

> clustered by (id) into 3 buckets

> stored as orc tblproperties ('transactional'='true');

OK

Time taken: 0.418 seconds
```



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```
nive> insert into customers partition (load_date = '2024-02-14') values (1,"Ross",25,"Mumbai",25000
Query ID = root_20240214041011_538486b4-221d-4a0c-9ac0-e5cc95c6b26e
Total jobs = 1
aunching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
       VERTICES
                     STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
Map 1 ..... SUCCEEDED
oading data to table prernadb.customers partition (load_date=2024-02-14)
Partition prernadb.customers{load_date=2024-02-14} stats: [numFiles=1, numRows=0, totalSize=864, ra
vDataSize=0]
nive> insert into customers partition (load_date = '2024-02-14') values (2,"Mike",27,"Bhopal",35000
Query ID = root 20240214041109 7c8069e3-274d-4682-b846-d66574964db2
Total jobs = 1
aunching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
                    STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
       VERTICES
lap 1 ..... SUCCEEDED
oading data to table prernadb.customers partition (load_date=2024-02-14)
Partition prernadb.customers{load_date=2024-02-14} stats: [numFiles=2, numRows=0, totalSize=1735, r
awDataSize=0]
Time taken: 4.776 seconds
nive> insert into customers partition (load date = '2024-02-14') values(3,"Albin",24,"Pune",50000);
Query ID = root_20240214041218_76da6ad6-be77-4eed-8cc1-ad6d89100add
aunching Job 1 out of 1
```



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```
Loading data to table prernadb.customers partition (load_date=2024-02-14)
Partition prernadb.customers{load_date=2024-02-14} stats: [numFiles=3, numRows=0, totalSize=2599, r
awDataSize=0]
Time taken: 5.092 seconds
hive> select * from customers;

        Ross
        25
        Mumbai
        25000
        2024-02-14

        Mike
        27
        Bhopal
        35000
        2024-02-14

        Albin
        24
        Pune
        50000
        2024-02-14

Time taken: 0.207 seconds, Fetched: 3 row(s)
hive> create table orders(oid int, customer_id int, amount int);
Time taken: 0.305 seconds
hive> insert into orders values(101, 2, 20000);
Query ID = root_20240214041336_181bc368-0c3d-478a-8f48-6e5fc61b814f
aunching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
                            STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
          VERTICES
lap 1 ..... SUCCEEDED
oading data to table prernadb.orders
able prernadb.orders stats: [numFiles=1, numRows=1, totalSize=12, rawDataSize=11]
hive> insert into orders values(102, 2, 25000);
Query ID = root_20240214041344_bbf57554-0785-4cf2-a53d-f63f272048fc
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
          VERTICES
                             STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
```



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```
oading data to table prernadb.orders
Table prernadb.orders stats: [numFiles=2, numRows=2, totalSize=24, rawDataSize=22]
Time taken: 1.153 seconds
hive> insert into orders values(104,4,10000);
Query ID = root_20240214041358_37fc63e6-e6ad-4791-9fc7-da25306e28c7
Total jobs = 1
aunching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
                      STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
       VERTICES
lap 1 ..... SUCCEEDED
oading data to table prernadb.orders
able prernadb.orders stats: [numFiles=3, numRows=3, totalSize=36, rawDataSize=33]
hive> select * from orders;
101
                20000
102
                25000
104
                10000
nive> select * from customers c join orders o on (c.id = o.customer_id);
Query ID = root_20240214041503_be050749-b1aa-463a-944c-436f82383c07
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
       VERTICES
                      STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
Map 2 .....
                        Bhopal 35000
Bhopal 35000
                                         2024-02-14
                                                                           20000
                                         2024-02-14
                                                                           25000
    taken: 10.074 seconds, Fetched: 2 row(s)
```



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```
Query ID = root_20240214041536_d89dfa9f-9462-4923-8d02-7d8e8b8ab3a4
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
                       STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
       VERTICES
lap 1 .....
lap 2 .....
                         Mumbai 25000
                                          2024-02-14
        Albin
                         Pune
                                  50000
                                          2024-02-14
                                 35000
                                          2024-02-14
                                                                            20000
       Mike
                         Bhopal
                         Bhopal 35000
                                          2024-02-14
                                                                            25000
hive> select * from customers c right outer join orders o on (c.id = o.customer_id);
Query ID = root_20240214041618_8eda5f4f-db8b-4109-b53b-da7d25e646e4
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1707880073946_0002)
       VERTICES
                       STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
                   SUCCEEDED
lap 2 .....
                                 35000
                                          2024-02-14
       Mike
                         Bhopal
                                                                            20000
                         Bhopal 35000
                                          2024-02-14
       Mike
                                                                             25000
                                                                    10000
Query ID = root_20240214041637_8c91b21b-62d9-47f2-89de-66cd979517f3
Total jobs = 1
aunching Job 1 out of 1
```



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	VERTICES	S 	STATUS	TOTAL	COMPLETED	RUNNING	PEND	ING	FAILE	D KIL	LED
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			CCEEDED)	0		0	
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1	Ross	25	Mumbai	25000	2024-02	-14	NULL	N	ULL	NULL	
2	Mike	27			2024-02		101	2		20000	
2	Mike	27	Bhopal	35000	2024-02	-14	102	2		25000	
3	Albin	24	Pune		2024-02		NULL		ULL	NULL	
NULL	NULL	NULL	NULL	NULL		104	4	1	0000		
			onds, Fet								
hive> ci OK	reate vi	ew it	not exist	s custo	omers_vw as	select	* from	cus	tomers	where	a
	ken: 0.60	25 506	onde								
			ustomers	VM.							
OK .			as comers_								
1	Ross	25	Mumbai	25000	2024-02	-14					
ime tal	ken: 0.2	71 sec	onds, Fet	ched:	1 row(s)						
nive> a	lter vie	w cust	omers_vw	as sele	ect * from	customer	s;				
OK											
	ken: 0.24										
	elect * ·	from c	ustomers_	vw;							
OK											
1	Ross	25			2024-02						
2	Mike			35000							
3	Albin		Pune			-14					
			onds, Fet								
OK UITAGS (arop vie	W II E	xists cus	comers_	_vw;						
	ken: 0.50	25 500	onds								
			ustomers	Mar.							
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			xists cus			-14 Tab	ic not	Ouli	a cus	comer 3	_ ~ ~
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