

## **COVID-19 THE INDIAN SCENARIO**

### **Dataset Description**

#### **Covid 19: The Indian Scenario**

The Data Set used is a customised data set made from adding attributes to a data set taken from Kaggle, which contains information based on an in-depth analysis of Covid 19 cases from the states and Union Territories of India on a daily basis.

The data set taken from Kaggle had 8 Attributes: -

**Date, Year, Month, Day, State, Cured, Deaths, Confirmed**

### **HIVE**

#### **Creating a database**

- create database if not exists covid\_19;
- use covid\_19;

## Creating a table

```
create table if not exists covid_19(Sno STRING,Datee
STRING,Timee STRING,State STRING,ConfirmedIndianNational
STRING,ConfirmedForeignNational STRING,Cured int ,Deaths
int,Confirmed int) row format delimited fields terminated by ','
tblproperties ("skip.header.line.count"="1");
```

## Loading a csv dataset

```
load data local inpath '/home/sneha/Desktop/HIVE/covid_19.csv'
overwrite into table covid_19;
```

```
set hive.cli.print.header=true;
```

```
schemaTool completed
hadoop@hadoop-HP-Laptop-15s-fr2xxx:~/apache-hive-3.1.2-bin/bin$ hive
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/hadoop/apache-hive-3.1.2-bin/lib/log4j-slf4j-impl-2.10.8.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/local/hadoop/share/hadoop/common/lib/slf4j-log4j12-1.7.30.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]
Hive Session ID = Sc09190d-ba4c-43fd-8d8e-e9024cf5997b

Logging initialized using configuration in jar:file:/home/hadoop/apache-hive-3.1.2-bin/lib/hive-common-3.1.2.jar!/hive-log4j2.properties Async: true
Hive Session ID = ab35dc14-3669-4fd3-a821-5856a84312dd
Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.
hive> CREATE DATABASE IF NOT EXISTS covid_19;
OK
Time taken: 0.387 seconds
hive> use covid_19;
OK
Time taken: 0.034 seconds
hive> CREATE TABLE IF NOT EXISTS covid_19(Sno STRING,Datee STRING,Timee STRING,State STRING,ConfirmedIndianNational STRING,ConfirmedForeignNational STRING,Cured int ,Deaths int,Confirmed int) ROW FORMAT
DELIMITED FIELDS TERMINATED BY ',' tblproperties ('skip.header.line.count'='1');
OK
Time taken: 0.389 seconds
hive> LOAD DATA LOCAL INPATH '/home/sneha/Desktop/HIVE/covid_19.csv' OVERWRITE INTO TABLE covid_19;
Loading data to table covid_19.covid_19
OK
Time taken: 0.916 seconds
hive> set hive.cli.print.header=true;
hive> select * from covid_19 limit 20;
OK
covid_19.sno    covid_19.datee covid_19.timee covid_19.state covid_19.confirmedindiannational      covid_19.confirmedforeignnational      covid_19.cured covid_19.deaths covid_19.confirmed
1   30-01-2020  6:00 PM Kerala 1     0     0     0     1
2   31-01-2020  6:00 PM Kerala 1     0     0     0     1
3   01-02-2020  6:00 PM Kerala 2     0     0     0     2
4   02-02-2020  6:00 PM Kerala 3     0     0     0     3
5   03-02-2020  6:00 PM Kerala 3     0     0     0     3
6   04-02-2020  6:00 PM Kerala 3     0     0     0     3
7   05-02-2020  6:00 PM Kerala 3     0     0     0     3
8   06-02-2020  6:00 PM Kerala 3     0     0     0     3
9   07-02-2020  6:00 PM Kerala 3     0     0     0     3
10  08-02-2020  6:00 PM Kerala 3     0     0     0     3
11  09-02-2020  6:00 PM Kerala 3     0     0     0     3
12  10-02-2020  6:00 PM Kerala 3     0     0     0     3
13  11-02-2020  6:00 PM Kerala 3     0     0     0     3
14  12-02-2020  6:00 PM Kerala 3     0     0     0     3
15  13-02-2020  6:00 PM Kerala 3     0     0     0     3
16  14-02-2020  6:00 PM Kerala 3     0     0     0     3
17  15-02-2020  6:00 PM Kerala 3     0     0     0     3
18  16-02-2020  6:00 PM Kerala 3     0     0     0     3
19  17-02-2020  6:00 PM Kerala 3     0     0     0     3
20  18-02-2020  6:00 PM Kerala 3     0     0     0     3
Time taken: 0.911 seconds, Fetched: 20 row(s)
hive> []
```

## Queries

1. Select state, count(state) from covid\_19 group by state;

```
Stage-Stage-1: HDFS Read: 2220540 HDFS Write: 2220540 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
state _c1
Andaman and Nicobar Islands      504
Andhra Pradesh      518
Arunachal Pradesh      496
Assam      498
Bihar      508
Chandigarh      511
Chhattisgarh      511
Dadra and Nagar Haveli and Daman and Diu      463
Delhi      528
Goa      504
Gujarat 510
Haryana 526
Himachal Pradesh      508
Himanchal Pradesh      1
Jammu and Kashmir      521
Jharkhand      498
Karanataka      1
Karnataka      520
Kerala      560
Ladakh      523
Lakshadweep      244
Madhya Pradesh 508
Madhya Pradesh***      1
Maharashtra      520
Maharashtra***      1
Manipur 506
Meghalaya      485
Mizoram 505
Nagaland      452
Odisha      514
Puducherry      512
Punjab      521
Rajasthan      527
Sikkim 445
Tamil Nadu      523
Telangana      528
Tripura 492
Uttar Pradesh      526
Uttarakhand      515
West Bengal      512
Time taken: 3.455 seconds, Fetched: 40 row(s)
```

2. select State, sum(confirmed) from covid\_19 group by state having sum(confirmed)>=50 order by sum(confirmed);

```
Stage-Stage-2: HDFS Read: 4441080 HDFS Write: 2220540 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
state_c1
Himanchal Pradesh      204516
Madhya Pradesh***      791656
Lakshadweep          915784
Andaman and Nicobar Islands 1938498
Dadra and Nagar Haveli and Daman and Diu      1959354
Karanataka          2885238
Mizoram             2984732
Sikkim              3186799
Ladakh              4054293
Nagaland             5041742
Maharashtra***      6229596
Arunachal Pradesh     7176907
Meghalaya            7355969
Chandigarh           10858627
Manipur              12617943
Tripura              14050250
Puducherry          20065891
Goa                  28240159
Himachal Pradesh     30033289
Uttarakhand          53140414
Jammu and Kashmir    58117726
Jharkhand            62111994
Assam                99837011
Punjab               99949702
Telangana            130562647
Bihar                 133662075
Haryana              134347285
Madhya Pradesh       135625265
Gujarat              143420082
Odisha               160130533
Rajasthan            162369656
Chhattisgarh         163776262
West Bengal          263107876
Delhi                 287227765
Uttar Pradesh        312625843
Andhra Pradesh       392432753
Tamil Nadu           431928644
Kerala               458906023
Karnataka            485970693
Maharashtra          1121491467
Time taken: 2.965 seconds, Fetched: 40 row(s)
hive>
```

3. select Sno, Datee, Timee, State, ConfirmedIndianNational, ConfirmedForeignNational, Cured, Deaths, Confirmed, perDayCase as PerDayConfirmed from (SELECT Sno , Datee , Timee, State, ConfirmedIndianNational ,ConfirmedForeignNational ,Cured,Deaths,Confirmed,(Confirmed - LAG(Confirmed,1)OVER

```
(PARTITION BY State ORDER BY Datee)) AS perDayCase FROM  
covid_19) covid_19 limit 9;
```

```
hive> select Sno ,Datee ,Timee,State,ConfirmedIndianNational ,ConfirmedForeignNational ,Cured,Deaths,  
Confirmed,perDayCase as PerDayConfirmed from (SELECT Sno ,Datee ,Timee,State,ConfirmedIndianNational  
,ConfirmedForeignNational ,Cured,Deaths,Confirmed,(Confirmed - LAG(Confirmed,1)OVER (PARTITION BY Sta  
te ORDER BY Datee)) AS perDayCase FROM covid_19) covid_19 limit 9;  
Query ID = hduser_20220327232509_90010365-8c64-4917-8e4c-ecf7e313e353  
Total jobs = 1  
Launching Job 1 out of 1  
Number of reduce tasks not specified. Estimated from input data size: 1  
In order to change the average load for a reducer (in bytes):  
    set hive.exec.reducers.bytes.per.reducer=<number>  
In order to limit the maximum number of reducers:  
    set hive.exec.reducers.max=<number>  
In order to set a constant number of reducers:  
    set mapreduce.job.reduces=<number>  
Job running in-process (local Hadoop)  
2022-03-27 23:25:11,084 Stage-1 map = 100%,  reduce = 100%  
Ended Job = job_local207873821_0004  
MapReduce Jobs Launched:  
Stage-Stage-1: HDFS Read: 6661620 HDFS Write: 2220540 SUCCESS  
Total MapReduce CPU Time Spent: 0 msec  
OK  


| sno   | datee      | timee | state                               | confirmedindiannational | confirmedforeignnational | cured | death |       |
|-------|------------|-------|-------------------------------------|-------------------------|--------------------------|-------|-------|-------|
| 10084 | 01-01-2021 |       | 8:00 AM Andaman and Nicobar Islands |                         |                          | 4826  | 62    | 4945N |
| 11200 | 01-02-2021 |       | 8:00 AM Andaman and Nicobar Islands |                         |                          | 4928  | 62    | 49944 |
| 12208 | 01-03-2021 |       | 8:00 AM Andaman and Nicobar Islands |                         |                          | 4952  | 62    | 50202 |
| 560   | 01-04-2020 |       | 6:00 PM Andaman and Nicobar Islands |                         |                          | 0     | 0     | 10 -  |
| 5010  |            |       |                                     |                         |                          |       |       |       |
| 531   | 01-04-2020 |       | 7:30 PM Andaman and Nicobar Islands |                         |                          | 0     | 0     | 10 0  |
| 13324 | 01-04-2021 |       | 8:00 AM Andaman and Nicobar Islands |                         |                          | 4976  | 62    | 50835 |
| 073   |            |       |                                     |                         |                          |       |       |       |
| 1479  | 01-05-2020 |       | 5:00 PM Andaman and Nicobar Islands |                         |                          | 16    | 0     | 33 -  |
| 5050  |            |       |                                     |                         |                          |       |       |       |
| 14403 | 01-05-2021 |       | 8:00 AM Andaman and Nicobar Islands |                         |                          | 5701  | 67    | 59495 |
| 916   |            |       |                                     |                         |                          |       |       |       |
| 2523  | 01-06-2020 |       | 8:00 AM Andaman and Nicobar Islands |                         |                          | 33    | 0     | 33 -  |
| 5916  |            |       |                                     |                         |                          |       |       |       |



```
Time taken: 1.718 seconds, Fetched: 9 row(s)
```



```
hive> █
```


```

4. create external table if not exists covid\_19\_india (Sno STRING,Datee STRING,Timee STRING,State STRING,ConfirmedIndianNational STRING,ConfirmedForeignNational STRING,Cured int ,Deaths int,Confirmed int) row format delimited fields terminated by ',' location '/home/sneha/Desktop/HIVE' tblproperties ("skip.header.line.count"="1");

```
hive> CREATE EXTERNAL TABLE IF NOT EXISTS covid_19_india(Sno STRING,Datee STRING,Timeee STRING,State STRING,ConfirmedIndianNational STRING,ConfirmedForeignNational STRING,Cured int ,Deaths int,Confirmed int) ROW FORMAT DELIMITED FIELDS TERMINATED BY ',' LOCATION '/home/sneha/Desktop/HIVE' tblproperties ("skip.header.line.count"="1");
OK
Time taken: 1.193 seconds
hive> LOAD DATA LOCAL INPATH '/home/hduser/covid_19.csv' OVERWRITE INTO TABLE covid_19_india;
Loading data to table default.covid_19_india
OK
Time taken: 1.854 seconds
hive> truncate table covid_19_india;
FAILED: SemanticException [Error 10146]: Cannot truncate non-managed table covid_19_india.
hive> DROP TABLE covid_19_india;
OK
Time taken: 1.376 seconds
hive> ■
```

5.

```
create table covid19_india (Sno STRING,Datee STRING,Timeee STRING,ConfirmedIndianNational STRING,ConfirmedForeignNational STRING,Cured int ,Deaths int,Confirmed int) partitioned by (State string)
row format delimited ;
```

```
load data local inpath '/home/hduser/Desktop/st_kerala.csv'into table covid19_india partition (State="Kerala");
```

```
load data local inpath '/home/hduser/Desktop/telangana.csv' into table covid19_india partition (State="Telangana");
```

```
select * from covid19_india;
select * from covid19_india where State="Kerala";
select * from covid19_india where State= "Telangana";
```

```

hive> create table covid19_india(Sno STRING,Datee STRING,Timee STRING,ConfirmedIndianNational STRING,ConfirmedForeignNational STRING,Cured int ,Deaths int,Confirmed int)
  > partitioned by (State string)
  > row format delimited
  > ;
OK
Time taken: 0.194 seconds
hive> load data local inpath '/home/hduser/Desktop/st_kerala.csv' into table covid19_india
  >
  > partition(State='Kerala');
Loading data to table default.covid19_india partition (state=Kerala)
OK
Time taken: 0.694 seconds
hive> load data local inpath '/home/hduser/Desktop/telangana.csv' into table covid19_india
  >
  > partition(State='Telangana');
Loading data to table default.covid19_india partition (state=Telangana)
OK
Time taken: 0.552 seconds

```

```

hive>
  > select * from covid19_india;
OK
covid19_india.sno      covid19_india.datee    covid19_india.timee    covid19_india.confirmedindiannational      covid19_india.confirmedforeignnational   covid19_india.cured      covid19_india.deathsco
Sno,Datee,Timee,State,ConfirmedIndianNational,ConfirmedForeignNational,Cured,Deaths,Confirmed
NULL,NULL,NULL,NULL,NULL,NULL,NULL,NULL,NULL,Kerala
1,30-01-2020,6:00 PM,Kerala,1,0,0,0,1 NULL    Kerala
2,31-01-2020,6:00 PM,Kerala,1,0,0,0,1 NULL    Kerala
3,01-02-2020,6:00 PM,Kerala,2,0,0,0,2 NULL    Kerala
4,02-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
5,03-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
6,04-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
7,05-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
8,06-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
9,07-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
10,08-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
11,09-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
12,10-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
13,11-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
14,12-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
15,13-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
16,14-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
17,15-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
18,16-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
19,17-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
20,18-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
21,19-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
22,20-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
23,21-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
24,22-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
25,23-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
26,24-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
27,25-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
28,26-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
29,27-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
30,28-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
31,29-02-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
32,01-03-2020,6:00 PM,Kerala,3,0,0,0,3 NULL    Kerala
33,02-03-2020,6:00 PM,Telangana,1,0,0,0,1 NULL    NULLTelangana
36,03-03-2020,6:00 PM,Telangana,1,0,0,0,1 NULL    NULLTelangana
44,04-03-2020,6:00 PM,Telangana,1,0,0,0,1 NULL    NULLTelangana
50,05-03-2020,6:00 PM,Telangana,1,0,0,0,1 NULL    NULLTelangana
57,06-03-2020,6:00 PM,Telangana,1,0,0,0,1 NULL    NULLTelangana
Time taken: 0.15 seconds, Fetched: 38 row(s)

```

```

hive> select * from covid19_india where State="Kerala";
OK
covid19_india.sno      covid19_india.datee      covid19_india.timee      covid19_india.confirmedindiannational      covid19_india.confirmedforeignnational  covid19_india.cured      covid19_india.deathsco
vid19_india.confirmed  covid19_india.state
Sno,Datee,Timee,State,ConfirmedIndianNational,ConfirmedForeignNational,Cured,Deaths,Confirmed
1,30-01-2020,6:00 PM,Kerala,1,0,0,0,1, NULL, Kerala
2,31-01-2020,6:00 PM,Kerala,1,0,0,0,1, NULL, Kerala
3,01-02-2020,6:00 PM,Kerala,2,0,0,0,2, NULL, Kerala
4,02-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
5,03-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
6,04-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
7,05-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
8,06-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
9,07-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
10,08-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
11,09-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
12,10-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
13,11-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
14,12-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
15,13-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
16,14-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
17,15-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
18,16-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
19,17-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
20,18-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
21,19-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
22,20-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
23,21-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
24,22-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
25,23-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
26,24-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
27,25-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
28,26-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
29,27-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
30,28-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
31,29-02-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
32,01-03-2020,6:00 PM,Kerala,3,0,0,0,3, NULL, Kerala
Time taken: 0.203 seconds, Fetched: 33 row(s)
hive> select * from covid19_india where State= "Telangana";
OK
covid19_india.sno      covid19_india.datee      covid19_india.timee      covid19_india.confirmedindiannational      covid19_india.confirmedforeignnational  covid19_india.cured      covid19_india.deathsco
vid19_india.confirmed  covid19_india.state
33,02-03-2020,6:00 PM,Telangana,1,0,0,0,1, NULL, Telangana
36,03-03-2020,6:00 PM,Telangana,1,0,0,0,1, NULL, Telangana
44,04-03-2020,6:00 PM,Telangana,1,0,0,0,1, NULL, Telangana
50,05-03-2020,6:00 PM,Telangana,1,0,0,0,1, NULL, Telangana
57,06-03-2020,6:00 PM,Telangana,1,0,0,0,1, NULL, Telangana
Time taken: 0.142 seconds, Fetched: 5 row(s)
hive>

```

## 6. Select date, count(date) from covid\_19 group by date;

```

hive> Select Datee,count(Datee) from covid_19 group by Datee limit 20;
Query ID = hduser_20220328073711_a1552ce3-3c49-4f64-846c-937c31806a4a
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 07:37:12,849 Stage-1 map = 100%,  reduce = 100%
Ended Job = job_local32668918_0013
MapReduce Jobs Launched:
Stage-Stage-1: HDFS Read: 21250934 HDFS Write: 3865004 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
datee      _c1
01-01-2021    36
01-02-2020    1
01-02-2021    36
01-03-2020    1
01-03-2021    36
01-04-2020    21
01-04-2021    36
01-05-2020    32
01-05-2021    36
01-06-2020    35
01-06-2021    36
01-07-2020    35
01-07-2021    36
01-08-2020    35
01-08-2021    36
01-09-2020    35
01-10-2020    35
01-11-2020    35
01-12-2020    35
02-01-2021    36
Time taken: 1.347 seconds, Fetched: 20 row(s)
hive>

```

7. Select state, max (Cured) from covid\_19 group by state;

```
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-27 23:06:697 Stage-1 map = 100%,  reduce = 100%
Ended Job = job_local2079301305_0007
MapReduce Jobs Launched:
Stage-Stage-1: HDFS Read: 1933180 HDFS Write: 1933180 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
Andaman and Nicobar Islands      7412
Andhra Pradesh    1952736
Arunachal Pradesh      47821
Assam      559684
Bihar      715352
Chandigarh      61150
Chhattisgarh     988189
Dadra and Nagar Haveli and Daman and Diu      10646
Delhi      1411280
Goa       167978
Gujarat     814802
Haryana     759790
Himachal Pradesh      202761
Himanchal Pradesh      200040
Jammu and Kashmir      317081
Jharkhand     342102
Karanataka     2821491
Karnataka     2861499
Kerala      3396184
Ladakh      20130
Lakshadweep     10165
Madhya Pradesh     781330
Madhya Pradesh***     780735
Maharashtra     6159676
Maharashtra***     6000911
Manipur      96776
Meghalaya     64157
Mizoram      33722
Nagaland     26852
Odisha      972710
Puducherry     119115
Punjab      582791
Rajasthan     944700
Sikkim      25095
Tamil Nadu     2524400
Telangana     638410
Tripura      77811
Uttar Pradesh     1685492
Uttarakhand     334650
West Bengal     1506532
Time taken: 1.855 seconds, Fetched: 40 row(s)
hive> █
```

8. select State, sum (Confirmed-Cured-Deaths) as Active from covid\_19  
group by State limit 10;

```
West Bengal     1506532
Time taken: 1.855 seconds, Fetched: 40 row(s)
hive> select State,sum(Confirmed-Cured-Deaths) as Active from covid_19 group by State limit 10;
Query ID = hduser_20220327232149_1b3ed566-726f-4a98-8630-d14146591892
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-27 23:21:51,563 Stage-1 map = 100%,  reduce = 100%
Ended Job = job_local69292049_0008
MapReduce Jobs Launched:
Stage-Stage-1: HDFS Read: 3864950 HDFS Write: 1933180 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
Andaman and Nicobar Islands      63076
Andhra Pradesh    19066856
Arunachal Pradesh      561959
Assam      6520008
Bihar      6024358
Chandigarh      593898
Chhattisgarh     10102978
Dadra and Nagar Haveli and Daman and Diu      96230
Delhi      8864584
Goa       1765157
Time taken: 1.806 seconds, Fetched: 10 row(s)
hive> █
```

9.

```
create table if not exists static_covid19(Sno STRING,Datee  
STRING,State STRING,Cured int ,Deaths int,Confirmed int) partitioned  
by (Timee STRING) row format delimited fields terminated by '\t';  
describe static_covid19;
```

```
Coa 1765157  
Time taken: 1.886 seconds, Fetched: 10 row(s)  
hive> CREATE TABLE IF NOT EXISTS STATIC_covid19(Sno STRING,Datee STRING,State STRING,Cured int ,Deaths int,Confirmed int) PARTITIONED BY (Timee STRING) ROW FORMAT DELIMITED FIELDS TERMINATED BY '\t';  
OK  
Time taken: 0.23 seconds  
hive>  
> describe STATIC_covid19;  
OK  
sno          string  
datee        string  
state         string  
cured         int  
deaths        int  
confirmed     int  
timee        string  
  
# Partition Information  
# col_name      data_type      comment  
timee          string  
Time taken: 1.761 seconds, Fetched: 11 row(s)  
hive> [REDACTED]
```

```
load data local inpath '/home/jahnavi/Desktop/HIVE/t5.csv' into table  
STATIC_covid19 partition (Timee="5:00");
```

```
load data local inpath '/home/jahnavi/Desktop/HIVE/t6.csv' into table  
STATIC_covid19 partition (Timee="6:00");
```

```
timee          string  
Time taken: 0.897 seconds, Fetched: 11 row(s)  
hive> load data local inpath '/home/jahnavi/Desktop/HIVE/t5.csv' into table STATIC_covid19 partition(Timee="5:00");  
Loading data to table default.static_covid19 partition (timee=5:00)  
OK  
Time taken: 1.089 seconds  
hive> load data local inpath '/home/jahnavi/Desktop/HIVE/t6.csv' into table STATIC_covid19 partition(Timee="6:00");  
Loading data to table default.static_covid19 partition (timee=6:00)  
OK  
[REDACTED] Time taken: 0.788 seconds  
hive> [REDACTED]
```

```
Select * from STATIC_covid19 limit 10;
```

```
OK
Time taken: 0.788 seconds
hive> select * from STATIC_covid19 limit 10;
OK
"Sno","Sno","Sno","Sno","ConfirmedIndianNational","ConfirmedForeignNational","Cured","Deaths","Confirmed"      NULL    NULL    NULL    NULL    NULL    NULL    5:00
1,"12-04-2020","5:00","Delhi",,,25,19,1069    NULL    NULL    NULL    NULL    NULL    5:00
2,"12-04-2020","5:00","Goa",,,5,8,7    NULL    NULL    NULL    NULL    NULL    5:00
3,"12-04-2020","5:00","Gujarat",,,44,22,432    NULL    NULL    NULL    NULL    NULL    5:00
4,"12-04-2020","5:00","Haryana",,,29,3,185    NULL    NULL    NULL    NULL    NULL    5:00
5,"12-04-2020","5:00","HimachalPradesh",,,6,1,32    NULL    NULL    NULL    NULL    NULL    5:00
6,"12-04-2020","5:00","JammuandKashmir",,,6,4,224    NULL    NULL    NULL    NULL    NULL    5:00
7,"12-04-2020","5:00","Jharkhand",,,8,1,17    NULL    NULL    NULL    NULL    NULL    5:00
8,"12-04-2020","5:00","Karnataka",,,37,6,226    NULL    NULL    NULL    NULL    NULL    5:00
9,"12-04-2020","5:00","Kerala",,,142,2,374    NULL    NULL    NULL    NULL    NULL    5:00
Time taken: 5.067 seconds, Fetched: 10 row(s)
hive> [ ]
```

10.

```
create table if not exists covid_bucket(Sno STRING,Datee
STRING,Timee STRING,State STRING,ConfirmedIndianNational
STRING,ConfirmedForeignNational STRING,Cured int ,Deaths
int,Confirmed int)clustered by(Timee) into 7 buckets;
```

```
hive> CREATE TABLE IF NOT EXISTS covid_bucket(Sno STRING,Datee STRING,Timee STRING,State STRING,ConfirmedIndianNational STRING,ConfirmedForeignNational STRING,Cured int ,Deaths int,Confirmed int)CLUSTERED
D BY(Timee) into 7 buckets;
```

```
OK
```

```
Time taken: 0.77 seconds
```

```
hive> [ ]
```

```
from covid_19 insert overwrite table covid_bucket select Sno, Datee,
Timee, State, ConfirmedIndianNational,
ConfirmedForeignNational,Cured,Deaths,Confirmed;
```

## Browse Directory

/user/hive/warehouse											Go!					
Show 25 entries											Search:					
	Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name								
drwxr-xr-x	hduser	supergroup	0 B	Mar 27 14:25	0	0 B	covid19_dynamic.db									
drwxr-xr-x	hduser	supergroup	0 B	Mar 27 23:31	0	0 B	covid_19									
drwxr-xr-x	hduser	supergroup	0 B	Mar 27 22:04	0	0 B	covid_19.db									
drwxr-xr-x	hduser	supergroup	0 B	Mar 27 23:43	0	0 B	covid_bucket									
drwxr-xr-x	hduser	supergroup	0 B	Mar 27 23:03	0	0 B	covid_buckets									
drwxr-xr-x	hduser	supergroup	0 B	Mar 27 23:01	0	0 B	deaths_bucket									
dnwxr-xr-x	hduser	supergroup	0 B	Mar 27 13:39	0	0 B	static_covid19									

Showing 1 to 7 of 7 entries

Previous 1 Next

Hadoop, 2021.

```
hdfs dfs -cat /user/hive/warehouse/covid_19.db/covid_bucket/000004_0;
```

```
35425 - 03 - 2020 0:00 PMOdisha20002
35325 - 03 - 2020 0:00 PMMizoram10001
35225 - 03 - 2020 0:00 PMManipur10001
35125 - 03 - 2020 0:00 PMMaharashtra125313128
35025 - 03 - 2020 0:00 PMMadhya Pradesh1400014
34925 - 03 - 2020 0:00 PMKerala101840109
34825 - 03 - 2020 0:00 PMKarnataka4103141
34725 - 03 - 2020 0:00 PMHimachal Pradesh30013
34625 - 03 - 2020 0:00 PMMaryana141411028
34525 - 03 - 2020 0:00 PMGujarat3710138
34425 - 03 - 2020 0:00 PMDelhi13016131
34325 - 03 - 2020 0:00 PMChhattisgarh10001
34225 - 03 - 2020 0:00 PMBihar40014
34125 - 03 - 2020 0:00 PMAndhra Pradesh90019
34024 - 03 - 2020 0:00 PMWest Bengal90019
33924 - 03 - 2020 0:00 PPUTtarakhand1004
33824 - 03 - 2020 0:00 PPUTtar Pradesh32111033
33724 - 03 - 2020 0:00 PMLadakh1300013
33624 - 03 - 2020 0:00 PMJammu and Kashmir40004
33524 - 03 - 2020 0:00 PMChandigarh70007
33424 - 03 - 2020 0:00 PMTelangana25101035
33324 - 03 - 2020 0:00 PMTamil Nadu1321015
33224 - 03 - 2020 0:00 PMRajasthan3023032
33124 - 03 - 2020 0:00 PMPunjab2900129
33024 - 03 - 2020 0:00 PMPuducherry10001
32924 - 03 - 2020 0:00 PMOdisha20002
32824 - 03 - 2020 0:00 PMManipur10001
32724 - 03 - 2020 0:00 PMMaharashtra8630289
32624 - 03 - 2020 0:00 PMMadhya Pradesh70007
32524 - 03 - 2020 0:00 PMKerala8784095
32424 - 03 - 2020 0:00 PMKarnataka3703137
32324 - 03 - 2020 0:00 PMHimachal Pradesh30013
32224 - 03 - 2020 0:00 PMMaryana141411028
32124 - 03 - 2020 0:00 PMGujarat3210133
32024 - 03 - 2020 0:00 PMDelhi12916130
31924 - 03 - 2020 0:00 PMChhattisgarh10001
31824 - 03 - 2020 0:00 PMBihar30013
31724 - 03 - 2020 0:00 PMAndhra Pradesh80008
31623 - 03 - 2020 0:00 PMWest Bengal70007
31523 - 03 - 2020 0:00 PPUTtarakhand30003
31423 - 03 - 2020 0:00 PPUTtar Pradesh3019031
31323 - 03 - 2020 0:00 PMLadakh1300013
31223 - 03 - 2020 0:00 PMJammu and Kashmir40004
31123 - 03 - 2020 0:00 PMChandigarh60006
31023 - 03 - 2020 0:00 PMTelangana22101032
30923 - 03 - 2020 0:00 PMTamil Nadu72109
30823 - 03 - 2020 0:00 PMRajasthan2623028
30723 - 03 - 2020 0:00 PMPunjab2100121
30623 - 03 - 2020 0:00 PMPuducherry10001
30523 - 03 - 2020 0:00 PMOdisha20002
30423 - 03 - 2020 0:00 PMMaharashtra7130274
30323 - 03 - 2020 0:00 PMMadhya Pradesh60006
30223 - 03 - 2020 0:00 PMKerala6073067
30123 - 03 - 2020 0:00 PMKarnataka3302133
hduser@johnavt-Inspiron-3576:~$ 
```

11.

```
select Sno ,Datee ,Timee,State,ConfirmedIndianNational
,ConfirmedForeignNational ,Cured,Deaths,Confirmed,perDayCase as
PerDayConfirmed from (select Sno,Datee,Timee,State,
ConfirmedIndianNational , ConfirmedForeignNational,Cured, Deaths,
```

Confirmed,(Confirmed - LAG(Confirmed,1)OVER (partition by Deaths  
order by Datee)) AS perDayCase FROM covid\_19)covid\_19 limit 10;

```
OK
Time taken: 25.921 seconds
hive> select Sno ,Datee ,Timee,State,ConfirmedIndianNational ,ConfirmedForeignNational ,Cured,Deaths,Confirmed,perDayCase as PerDayConfirmed from (SELECT Sno ,Datee ,Timee,State,ConfirmedIndianNational ,ConfirmedForeignNational ,Cured,Deaths,Confirmed,(Confirmed - LAG(Confirmed,1)OVER (PARTITION BY Deaths ORDER BY Datee)) AS perDayCase FROM covid_19) covid_19 limit 10;
Query ID = hduser_20220327235818_3e1e5dc5-a12c-41ac-abba-ab29ed28beab
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-27 23:58:22,549 Stage-1 map = 0%,  reduce = 0%
2022-03-27 23:58:23,554 Stage-1 map = 100%,  reduce = 0%
2022-03-27 23:58:24,559 Stage-1 map = 100%,  reduce = 100%
Ended Job = job_local1235406277_0003
MapReduce Jobs Launched:
Stage-Stage-1:  HDFS Read: 3865690 HDFS Write: 3866718 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
10100 01-01-2021 8:00 AM Lakshadweep      0   0   0   NULL
3     01-02-2020 6:00 PM Kerala 2       0   0   2   2
11216 01-02-2021 8:00 AM Lakshadweep      49  0   87  85
32    01-03-2020 6:00 PM Kerala 3       0   0   3   -84
534   01-04-2020 7:30 PM Chandigarh        0   0   16  13
560   01-04-2020 6:00 PM Andaman and Nicobar Islands 0   0   10  -6
571   01-04-2020 6:00 PM Jharkhand        0   0   1   -9
535   01-04-2020 7:30 PM Chhattisgarh       2   0   9   8
530   01-04-2020 7:30 PM Andhra Pradesh     1   0   83  74
566   01-04-2020 6:00 PM Goa              0   0   5   -78
Time taken: 5.805 seconds, Fetched: 10 row(s)
hive> █
```

12.  
select distinct (Timee) from covid\_19;

```
hive> select distinct(Timee) from covid_19;
Query ID = hduser_20220328073547_19a695c6-31a3-438c-afe9-1fb208e5cc20
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 07:35:48,537 Stage-1 map = 100%,  reduce = 100%
Ended Job = job_local1742257367_0011
MapReduce Jobs Launched:
Stage-Stage-1:  HDFS Read: 17387394 HDFS Write: 3865004 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
timee
10:00 AM
5:00 PM
5:00 PM
7:30 PM
8:00 AM
8:30 PM
9:30 PM
Time taken: 1.349 seconds, Fetched: 7 row(s)
hive> █
```

13.

Select state, min(date) from covid\_19 group by state;

```
hive> Select state, min(Datee) from covid_19 group by state;
Query ID = hduser_20220328071725_671cf300-2019-4acc-8c01-743dbcf1925
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 07:17:27,026 Stage-1 map = 100%,  reduce = 100%
Ended Job = job_local1002620190_0004
MapReduce Jobs Launched:
Stage-Stage-1: HDFS Read: 7727080 HDFS Write: 1931770 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
state _c1
Andaman and Nicobar Islands      01-01-2021
Andhra Pradesh      01-01-2021
Arunachal Pradesh      01-01-2021
Assam      01-01-2021
Bihar      01-01-2021
Chandigarh      01-01-2021
Chhattisgarh      01-01-2021
Dadra and Nagar Haveli and Daman and Diu      01-01-2021
Delhi      01-01-2021
Goa      01-01-2021
Gujarat      01-01-2021
Haryana      01-01-2021
Himachal Pradesh      01-01-2021
Himanchal Pradesh      20-07-2021
Jammu and Kashmir      01-01-2021
Jharkhand      01-01-2021
Karanataka      20-07-2021
Karnataka      01-01-2021
Kerala      01-01-2021
Ladakh      01-01-2021
Lakshadweep      01-01-2021
-----
Madhya Pradesh      01-01-2021
Madhya Pradesh***      13-07-2021
Maharashtra      01-01-2021
Maharashtra***      21-07-2021
Manipur      01-01-2021
Meghalaya      01-01-2021
Mizoram      01-01-2021
Nagaland      01-01-2021
Odisha      01-01-2021
Puducherry      01-01-2021
Punjab      01-01-2021
Rajasthan      01-01-2021
Sikkim      01-01-2021
Tamil Nadu      01-01-2021
Telangana      01-01-2021
Tripura      01-01-2021
Uttar Pradesh      01-01-2021
Uttarakhand      01-01-2021
West Bengal      01-01-2021
Time taken: 1.384 seconds, Fetched: 40 row(s)
hive> █
```

14.

select State, sum(confirmed) from covid\_19 GROUP BY state HAVING sum(confirmed)>=50 order by sum(confirmed);

```
hive> select State,sum(confirmed) from covid_19 GROUP BY state HAVING sum(confirmed)>=50 order by sum(confirmed);
Query ID = hduser_20220328071837_f5cdd9f4-b5d3-44c6-a07b-f8e83115b2e6
Total jobs = 2
Launching Job 1 out of 2
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 07:18:39,142 Stage-1 map = 100%,  reduce = 100%
Ended Job = job_local1238828239_0005
Launching Job 2 out of 2
Number of reduce tasks determined at compile time: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 07:18:40,414 Stage-2 map = 100%,  reduce = 100%
Ended Job = job_local39630675_0006
MapReduce Jobs Launched:
Stage-Stage-1:  HDFS Read: 9658850 HDFS Write: 1931770 SUCCESS
Stage-Stage-2:  HDFS Read: 9658850 HDFS Write: 1931770 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
state _c1
Himanchal Pradesh      204516
Madhya Pradesh***      791656
Lakshadweep          915784
Andaman and Nicobar Islands    1938498
Dadra and Nagar Haveli and Daman and Diu      1959354
Karanataka          2885238
Mizoram             2984732
Assam               99837011
Punjab              99949702
Telangana            130562647
Bihar                133662075
Haryana              134347285
Madhya Pradesh       135625265
Gujarat              143420082
Odisha               160130533
Rajasthan            162369656
Chhattisgarh         163776262
West Bengal          263107876
Delhi                287227765
Uttar Pradesh        312625843
Andhra Pradesh       392432753
Tamil Nadu           431928644
Kerala              458906023
Karnataka            485970693
Maharashtra          1121491467
Time taken: 2.738 seconds, Fetched: 40 row(s)
hive> █
```

15.

```
select Sno ,Datee ,Timee,State,ConfirmedIndianNational  
,ConfirmedForeignNational ,Cured,Deaths,Confirmed,perDayCase as  
PerDayConfirmed from (select Sno ,Datee, Timee, State,  
ConfirmedIndianNational, ConfirmedForeignNational ,Deaths, Confirmed,  
Cured,( Cured - LAG(Cured,1)over (partition by State ORDER BY  
Datee)) AS perDayCase FROM covid_19) covid_19 limit 20;
```

```
hive> select Sno ,Datee ,Timee,State,ConfirmedIndianNational ,ConfirmedForeignNational ,Cured,Deaths,Confirmed,perDayCase as PerDayConfirmed from (SELECT Sno ,Datee ,Timee,State,ConfirmedIndianNational ,  
ConfirmedForeignNational ,Deaths,Confirmed,Cured,( cured - LAG(Cured,1)OVER (PARTITION BY State ORDER BY Datee)) AS perDayCase FROM covid_19) covid_19 limit 20;  
Query ID = hduser_20220328072321_ebb6aeef2-d8e3-4f34-a286-cfc112a3a27  
Total jobs = 1  
Launching Job 1 out of 1  
Number of reduce tasks not specified. Estimated from input data size: 1  
In order to change the average load for a reducer (in bytes):  
  set hive.exec.reducers.bytes.per.reducer=<number>  
In order to limit the maximum number of reducers:  
  set hive.exec.reducers.max=<number>  
In order to set a constant number of reducers:  
  set mapreduce.job.reduces=<number>  
Job running in-process (local Hadoop)  
2022-03-28 07:23:22,681 Stage-1 map = 100%,  reduce = 100%  
Ended Job = job_local362139614_0007  
MapReduce Jobs Launched:  
Stage-Stage-1: HDFS Read: 11590620 HDFS Write: 1931770 SUCCESS  
Total MapReduce CPU Time Spent: 0 msec  
OK  


| sno   | datee      | timee   | state                       | confirmedindiannational | confirmedforeignnational | cured | deaths | confirmed | perdayconfirmed |
|-------|------------|---------|-----------------------------|-------------------------|--------------------------|-------|--------|-----------|-----------------|
| 10084 | 01-01-2021 | 8:00 AM | Andaman and Nicobar Islands | 4826                    | 62                       | 4945  | NULL   |           |                 |
| 11200 | 01-02-2021 | 8:00 AM | Andaman and Nicobar Islands | 4928                    | 62                       | 4994  | 102    |           |                 |
| 12208 | 01-03-2021 | 8:00 AM | Andaman and Nicobar Islands | 4952                    | 62                       | 5020  | 24     |           |                 |
| 560   | 01-04-2020 | 6:00 PM | Andaman and Nicobar Islands | 0                       | 0                        | 10    | -4952  |           |                 |
| 531   | 01-04-2020 | 7:30 PM | Andaman and Nicobar Islands | 0                       | 0                        | 10    | 0      |           |                 |
| 13324 | 01-04-2021 | 8:00 AM | Andaman and Nicobar Islands | 4976                    | 62                       | 5083  | 4976   |           |                 |
| 1479  | 01-05-2020 | 5:00 PM | Andaman and Nicobar Islands | 16                      | 0                        | 33    | -4960  |           |                 |
| 14403 | 01-05-2021 | 8:00 AM | Andaman and Nicobar Islands | 5701                    | 67                       | 5949  | 5685   |           |                 |
| 2523  | 01-06-2020 | 8:00 AM | Andaman and Nicobar Islands | 33                      | 0                        | 33    | -5668  |           |                 |
| 15519 | 01-06-2021 | 8:00 AM | Andaman and Nicobar Islands | 6719                    | 115                      | 7005  | 6686   |           |                 |
| 3604  | 01-07-2020 | 8:00 AM | Andaman and Nicobar Islands | 58                      | 0                        | 97    | -6669  |           |                 |
| 16599 | 01-07-2021 | 8:00 AM | Andaman and Nicobar Islands | 7308                    | 128                      | 7467  | 7258   |           |                 |
| 4787  | 01-08-2020 | 8:00 AM | Andaman and Nicobar Islands | 214                     | 5                        | 548   | -7094  |           |                 |
| 17715 | 01-08-2021 | 8:00 AM | Andaman and Nicobar Islands | 7400                    | 129                      | 7537  | 7186   |           |                 |
| 5792  | 01-09-2020 | 8:00 AM | Andaman and Nicobar Islands | 2647                    | 46                       | 3132  | -4753  |           |                 |
| 6842  | 01-10-2020 | 8:00 AM | Andaman and Nicobar Islands | 3608                    | 53                       | 3835  | 961    |           |                 |
| 7927  | 01-11-2020 | 8:00 AM | Andaman and Nicobar Islands | 4100                    | 59                       | 4332  | 492    |           |                 |
| 8977  | 01-12-2020 | 8:00 AM | Andaman and Nicobar Islands | 4550                    | 61                       | 4710  | 450    |           |                 |
| 10128 | 02-01-2021 | 8:00 AM | Andaman and Nicobar Islands | 4830                    | 62                       | 4946  | 280    |           |                 |
| 11236 | 02-02-2021 | 8:00 AM | Andaman and Nicobar Islands | 4932                    | 62                       | 4994  | 102    |           |                 |



```
Time taken: 1.425 seconds, Fetched: 20 row(s)
```



```
hive> 
```


```

16.

```
create table if not exists covid_bucket(Sno STRING,Datee STRING,  
Timee STRING, State STRING, ConfirmedIndianNational STRING,  
ConfirmedForeignNational STRING, Cured int , Deaths int,Confirmed int)  
clustered by(State) into 7 buckets;
```

```
from covid_19 insert overwrite table covid_bucket select Sno, Datee,  
Timee, State, ConfirmedIndianNational, ConfirmedForeignNational,  
Cured,Deaths,Confirmed;
```

```

hive> CREATE TABLE IF NOT EXISTS covid_bucket(Sno STRING,Datee STRING,Timee STRING,State STRING,ConfirmedIndianNational STRING,ConfirmedForeignNational STRING,Cured Int ,Deaths Int,Confirmed Int)CLUSTERED BY(State) into 10 buckets;
OK
Time taken: 0.055 seconds
hive> FROM covid_19 INSERT OVERWRITE TABLE covid_bucket select Sno,Datee,Timee,State,ConfirmedIndianNational,ConfirmedForeignNational,Cured,Deaths,Confirmed;
Query ID = hduser_20220328072643_9089a137-cbd3-4b40-b43a-8402234e4b6b
Total jobs = 2
Launching Job 1 out of 2
Number of reduce tasks determined at compile time: 10
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 07:26:45,384 Stage-1 map = 100%, reduce = 100%
Ended Job = job_local1853561032_0008
Loading data to table covid_19.covid_bucket
Launching Job 2 out of 2
Number of reduce tasks determined at compile time: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 07:26:46,689 Stage-3 map = 100%, reduce = 100%
Ended Job = job_local201872433_0009
MapReduce Jobs Launched:
Stage-Stage-1: HDFS Read: 74373145 HDFS Write: 15867245 SUCCESS
Stage-Stage-3: HDFS Read: 13522390 HDFS Write: 3865004 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
sno      datee     timee    state   confirmedindiannational confirmedforeignnational      cured   deaths   confirmed

```

select distinct State FROM covid\_bucket tablesample (bucket 2 out of 6 on State);

```

Time taken: 2.939 seconds
hive> SELECT DISTINCT State FROM covid_bucket TABLESAMPLE(BUCKET 2 OUT OF 6 ON State);
Query ID = hduser_20220328073022_f1dee4dd-2fe8-45bd-b8c7-f4408195c2b5
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 07:30:23,799 Stage-1 map = 100%,  reduce = 100%
Ended Job = job_local2071129954_0010
MapReduce Jobs Launched:
Stage-Stage-1: HDFS Read: 15455624 HDFS Write: 3865004 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
state
Arunachal Pradesh
Chandigarh
Goa
Uttar Pradesh
Time taken: 1.341 seconds, Fetched: 4 row(s)
hive> █

```

## Browse Directory

/user/hive/warehouse/covid_19.db/covid_bucket											Go!				
Show 25 entries											Search:				
	Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name	Actions						
<input type="checkbox"/>	-rw-r--r--	hduser	supergroup	101.26 KB	Mar 28 07:26	1	128 MB	000000_0							
<input type="checkbox"/>	-rw-r--r--	hduser	supergroup	46.39 KB	Mar 28 07:26	1	128 MB	000001_0							
<input type="checkbox"/>	-rw-r--r--	hduser	supergroup	116.48 KB	Mar 28 07:26	1	128 MB	000002_0							
<input type="checkbox"/>	-rw-r--r--	hduser	supergroup	128.28 KB	Mar 28 07:26	1	128 MB	000003_0							
<input type="checkbox"/>	-rw-r--r--	hduser	supergroup	56.93 KB	Mar 28 07:26	1	128 MB	000004_0							
<input type="checkbox"/>	-rw-r--r--	hduser	supergroup	112.27 KB	Mar 28 07:26	1	128 MB	000005_0							
<input type="checkbox"/>	-rw-r--r--	hduser	supergroup	109.09 KB	Mar 28 07:26	1	128 MB	000006_0							
<input type="checkbox"/>	-rw-r--r--	hduser	supergroup	58.43 KB	Mar 28 07:26	1	128 MB	000007_0							
<input type="checkbox"/>	-rw-r--r--	hduser	supergroup	126.71 KB	Mar 28 07:26	1	128 MB	000008_0							
<input type="checkbox"/>	-rw-r--r--	hduser	supergroup	87.33 KB	Mar 28 07:26	1	128 MB	000009_0							

Showing 1 to 10 of 10 entries

Previous **1** Next

Hadoop, 2021.

hdfs dfs -cat /user/hive/warehouse/covid\_19.db/covid\_bucket/000001\_0;

```
hduser@sneha-HP-Laptop-15s-fr2xxx:/usr/local/hadoop/sbin$ hdfs dfs -cat /user/hive/warehouse/covid_19.db/covid_bucket/000001_0;
2022-03-28 07:34:37,153 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
433521-07-20208:00 AMJammu and Kashmir827425414650
786530-10-20208:00 AMDelhi3383786423375753
1614418-06-20218:00 AMJammu and Kashmir2951894226310017
1232304-03-20218:00 AMDelhi62742310914639921
670627-09-20208:00 AMBihar163432886177072
433021-07-20208:00 AMDelhi1049183663123747
1614618-06-20218:00 AMKarnataka2610157334342790338
863121-11-20208:00 AMBihar2224201212228886
1498317-05-20218:00 AMBihar5729873832651909
432621-07-20208:00 AMBihar1743321727646
994328-12-20208:00 AMBihar2434611383249912
1365110-04-20218:00 AMBihar2650481598276004
786130-10-20208:00 AMBihar2051081076214242
1441601-05-20218:00 AMJammu and Kashmir1454412283176083
1312226-03-20218:00 AMKarnataka94778112471978478
1441801-05-20218:00 AMKarnataka1124909155231523142
1498717-05-20218:00 AMDelhi11309578215061393867
1221101-03-20218:00 AMBihar2605941541262534
60203-04-20206:00 PMKarnataka103124
83711-04-20205:00 PMBihar0160
1340303-04-20218:00 AMDelhi64577011050668814
955117-12-20208:00 AMDelhi58858610147611994
994728-12-20208:00 AMDelhi60568510453622851
430220-07-20208:00 AMKarnataka23065133163772
60003-04-20206:00 PMJammu and Kashmir3275
430020-07-20208:00 AMJammu and Kashmir781124413899
727713-10-20208:00 AMKarnataka59208410036717915
576531-08-20208:00 AMDelhi1541714426173390
429520-07-20208:00 AMDelhi1031343628122793
1272415-03-20218:00 AMJammu and Kashmir1247461974127640
1247208-03-20218:00 AMJammu and Kashmir1241901962127044
429120-07-20208:00 AMBihar1630821726569
713009-10-20208:00 AMDelhi2729485653300833
1272615-03-20218:00 AMKarnataka93949912390960272
1044711-01-20218:00 AMBihar2500881434255700
1481412-05-20218:00 AMKarnataka1405869198522013193
```

17.

```
select state, (sum(deaths)/sum(confirmed))*100 from covid_19 groupby state;
```

```
hive> select state, (sum(deaths)/sum(confirmed))*100 from covid_19 group by state
Query ID = hduser_20220328071229_8b0270d3-76fd-4eaa-8210-eb01ae1add76
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 07:12:32,221 Stage-1 map = 100%,  reduce = 100%
Ended Job = job_local2041336722_0001
MapReduce Jobs Launched:
Stage-Stage-1: HDFS Read: 1931770 HDFS Write: 1931770 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
state _c1
Andaman and Nicobar Islands      1.3998466854234568
Andhra Pradesh      0.7490116402185217
Arunachal Pradesh      0.3734059811559492
Assam      0.6393650947743217
Bihar      0.8322083882058542
Chandigarh      1.3601535442740598
Chhattisgarh      1.260207050030242
Dadra and Nagar Haveli and Daman and Diu      0.05216004866910217
Delhi      1.721036265418143
Goa      1.5856886641466856
Gujarat      1.5475155006535277
Haryana      1.1185927575685657
Himachal Pradesh      1.6360112940011333
Himanchal Pradesh      1.7147802616910168
Jammu and Kashmir      1.4448156488435215
Jharkhand      1.2053082694463166
Karanataka      1.2545585494160274
Karnataka      1.2457051602492415
Kerala      0.41145177996497984
Ladakh      1.1297654116266387
Lakshadweep      0.4267381828029317
Madhya Pradesh      1.310782323632695
Madhya Pradesh***      1.3270915650231918
Maharashtra      2.116594971827815
Maharashtra***      2.0989001533967855
Manipur      1.3715072258608236
Madhya Pradesh***      1.3270915650231918
Maharashtra      2.116594971827815
Maharashtra***      2.0989001533967855
Manipur      1.3715072258608236
Meghalaya      1.3859492882582838
Mizoram      0.32803615198952535
Nagaland      1.1595198643643407
Odisha      0.4938558469670491
Puducherry      1.5556498338399227
Punjab      2.786995803149068
Rajasthan      0.9072440234768988
Sikkim      1.6678177694922085
Tamil Nadu      1.369823021045115
Telangana      0.5744943268498531
Tripura      1.0700307823704205
Uttar Pradesh      1.3253702765705138
Uttarakhand      1.8554635272506534
West Bengal      1.462133729512529
Time taken: 3.044 seconds, Fetched: 40 row(s)
hive> ■
```

18.

```
select state from covid_19 GROUP BY state HAVING sum(deaths) <= 20000;
```

```
hive> select state from covid_19 GROUP BY state HAVING sum(deaths)<=20000;
Query ID = hduser_20220328054729_15283152-8a6c-435f-81ed-2049511a54d6
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 05:47:32,008 Stage-1 map = 100%,  reduce = 100%
Ended Job = job_local741231841_0001
MapReduce Jobs Launched:
Stage-Stage-1:  HDFS Read: 1939962 HDFS Write: 1931770 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
state
Dadra and Nagar Haveli and Daman and Diu
Himanchal Pradesh
Lakshadweep
Madhya Pradesh***
Mizoram
Time taken: 2.055 seconds, Fetched: 5 row(s)
hive> █
```

19.

```
select State,MAX(Confirmed) AS TotalCases FROM covid_19 group by state order by TotalCases DESC;
```

```
hive> SELECT State,MAX(Confirmed) AS TotalCases FROM covid_19 GROUP BY State ORDER BY TotalCases DESC;
Query ID = hduser_20220328054852_60fe8ba3-1786-469c-8c36-02b7b3b3be18
Total jobs = 2
Launching Job 1 out of 2
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 05:48:53,732 Stage-1 map = 100%,  reduce = 100%
Ended Job = job_local334391447_0002
Launching Job 2 out of 2
Number of reduce tasks determined at compile time: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 05:48:54,996 Stage-2 map = 100%,  reduce = 100%
Ended Job = job_local777928307_0003
MapReduce Jobs Launched:
Stage-Stage-1:  HDFS Read: 3871732 HDFS Write: 1931770 SUCCESS
Stage-Stage-2:  HDFS Read: 3871732 HDFS Write: 1931770 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
state  totalcases
Maharashtra      6363442
Maharashtra***   6229596
Kerala          3586693
Karnataka        2921049
Karnataka        2885238
Tamil Nadu       2579130
Andhra Pradesh   1985182
Uttar Pradesh    1708812
West Bengal      1534999
Delhi            1436852
Chhattisgarh     1003356
Odisha           988997
Rajasthan        953851
Gujarat          825085
Madhya Pradesh   791980
```

```

Madhya Pradesh***      791656
Haryana 770114
Bihar    725279
Telangana       650353
Punjab     599573
Assam      576149
Jharkhand      347440
Uttarakhand    342462
Jammu and Kashmir 322771
Himachal Pradesh 208616
Himachal Pradesh 204516
Goa        172085
Puducherry    121766
Manipur     105424
Tripura     80660
Meghalaya     69769
Chandigarh    61992
Arunachal Pradesh 50605
Mizoram     46320
Nagaland     28811
Sikkim      28018
Ladakh      20411
Dadra and Nagar Haveli and Daman and Diu      10654
Lakshadweep   10263
Andaman and Nicobar Islands    7548
Time taken: 2.577 seconds, Fetched: 40 row(s)
hive> ■

```

20.

```

select year (to_date(from_unixtime(UNIX_TIMESTAMP(Datee,'dd-MM-yyyy')))),sum(confirmed),sum(deaths) from covid_19 group by
year(to_date(from_unixtime(UNIX_TIMESTAMP(Datee,'dd-MM-yyyy'))));

```

```

hive> select year(to_date(from_unixtime(UNIX_TIMESTAMP(Datee,'dd-MM-yyyy')))),sum(confirmed),sum(deaths) from covid_19 group by year(to_date(from_unixtime(UNIX_TIMESTAMP(Datee,'dd-MM-yyyy'))));
Query ID = hduser_20220328071427_5d827b6c-10d5-495c-926a-767a74d3f917
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 07:14:29,014 Stage-1 map = 100%,  reduce = 100%
Ended Job = job_local073554753_0002
MapReduce Jobs Launched:
Stage-Stage-1: HDFS Read: 3863540 HDFS Write: 1931770 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
_c0      _c1      _c2
2020    1073677053    17022508
2021    4377655906    56366497
Time taken: 1.373 seconds, Fetched: 2 row(s)
hive> ■

```

21.

select state, (sum(cured)/sum(confirmed))\*100 from covid\_19 group by state;

```
hive> select state, (sum(cured)/sum(confirmed))*100 from covid_19 group by state;
Query ID = hduser_20220328071506_6f810f5d-e691-4baf-957d-b4e95d2a5f24
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 07:15:07,850 Stage-1 map = 100%,  reduce = 100%
Ended Job = job_local1479776425_0003
MapReduce Jobs Launched:
Stage-Stage-1: HDFS Read: 5795310 HDFS Write: 1931770 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
state _c1
Andaman and Nicobar Islands      95.34629388320236
Andhra Pradesh    94.39235822398341
Arunachal Pradesh     91.7964939492737
Assam    92.82998266043843
Bihar     94.66063578617944
Chandigarh     93.17048094570336
Chhattisgarh     92.57102473128859
Dadra and Nagar Haveli and Daman and Diu      95.03652734523726
Delhi     95.19270778018274
Goa       92.16379057922443
Gujarat    92.37697061140992
Haryana    94.22247870509626
Himachal Pradesh     91.56875891947766
Himanchal Pradesh    97.8114181775509
Jammu and Kashmir     91.70582654937324
Madhya Pradesh    93.43760323712547
Madhya Pradesh***   98.620486676031
Maharashtra     90.8401953093059
Maharashtra***   96.32905568836246
Manipur     89.00474506819376
Meghalaya     88.87896346490857
Mizoram     79.8933371572389
Nagaland     89.64215146272856
Odisha      94.25026706181013
Puducherry    92.11211702485576
Punjab      91.50418377435483
Rajasthan    92.60155111740829
Sikkim      86.20606445527315
Tamil Nadu    93.5561492883996
Telangana     93.56007618319809
Tripura     92.3602498176189
Uttar Pradesh    93.23584646839322
Uttarakhand    91.00934177893308
West Bengal    94.07361944573638
Time taken: 1.407 seconds, Fetched: 40 row(s)
hive> █
```

22.

create table if not exists covid\_buckets\_d(Sno STRING, Datee STRING, Timee STRING, State STRING, ConfirmedIndianNational STRING, ConfirmedForeignNational STRING, Cured int ,Deaths int,Confirmed int) clustered by (Datee) into 5 buckets;

FROM covid\_19 insert overwrite table covid\_buckets\_d select Sno, Datee, Timee, State, ConfirmedIndianNational, ConfirmedForeignNational,Cured,Deaths,Confirmed where Deaths>10;

```
hive> CREATE TABLE IF NOT EXISTS covid_buckets_d(Sno STRING,Datee STRING,Timee STRING,State STRING,ConfirmedIndianNational STRING,ConfirmedForeignNational STRING,Cured int ,Deaths int,Confirmed int)CLUSTERED BY(Datee) into 5 buckets;
OK
Time taken: 0.054 seconds
hive> FROM covid_19 INSERT OVERWRITE TABLE covid_buckets_d select Sno,Datee,Timee,State,ConfirmedIndianNational,ConfirmedForeignNational,Cured,Deaths,Confirmed where Deaths>10;
Query ID = hduser_20220328183511_f019ca12-9bcf-4a29-a4f8-38d74425d90a
Total jobs = 2
Launching Job 1 out of 2
Number of reduce tasks determined at compile time: 5
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 18:35:14,239 Stage-1 map = 100%,  reduce = 88%
2022-03-28 18:35:15,252 Stage-1 map = 100%,  reduce = 100%
Ended Job = job_local1497560688_0001
Loading data to table covid_19.covid_buckets_d
Launching Job 2 out of 2
Number of reduce tasks determined at compile time: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 18:35:16,566 Stage-3 map = 100%,  reduce = 100%
Ended Job = job_local227958069_0002
MapReduce Jobs Launched:
Stage-Stage-1: HDFS Read: 5795310 HDFS Write: 8278338 SUCCESS
Stage-Stage-3: HDFS Read: 1931770 HDFS Write: 3501950 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
sno    datee   timee  state  confirmedindiannational  confirmedforeignnational      cured   deaths  confirmed
Time taken: 5.506 seconds
hive> [ ]
```

```
select distinct Datee FROM covid_buckets_d tablesample(BUCKET 4 OUT OF 5 ON Datee) limit 15;
```

```
hive> SELECT DISTINCT Datee FROM covid_buckets_d TABLESAMPLE(BUCKET 4 OUT OF 5 ON Datee) limit 15 ;
Query ID = hduser_20220328183637_fc9e93a3-9788-4549-92dc-c0a04a60e511
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Job running in-process (local Hadoop)
2022-03-28 18:36:39,238 Stage-1 map = 100%,  reduce = 100%
Ended Job = job_local802933826_0004
MapReduce Jobs Launched:
Stage-Stage-1: HDFS Read: 5071270 HDFS Write: 3501950 SUCCESS
Total MapReduce CPU Time Spent: 0 msec
OK
datee
01-06-2020
01-07-2021
01-08-2020
02-02-2021
02-03-2021
02-04-2020
02-06-2021
02-12-2020
03-04-2021
03-05-2020
03-05-2021
03-09-2020
04-05-2020
04-06-2020
04-06-2021
Time taken: 1.324 seconds, Fetched: 15 row(s)
hive> █
```

Hadoop Overview Datanodes Datanode Volume Failures Snapshot Startup Progress Utilities ▾

## Browse Directory

/user/hive/warehouse/covid\_19.db/covid\_buckets\_d [Go!](#) [New](#) [Up](#) [List](#) [Details](#)

Show 25 entries [Search:](#)

<a href="#">Permission</a>	<a href="#">Owner</a>	<a href="#">Group</a>	<a href="#">Size</a>	<a href="#">Last Modified</a>	<a href="#">Replication</a>	<a href="#">Block Size</a>	<a href="#">Name</a>
-rwxr--r--	hduser	supergroup	175.75 KB	Mar 28 18:35	1	128 MB	000000_0
-rwxr--r--	hduser	supergroup	175.12 KB	Mar 28 18:35	1	128 MB	000001_0
-rwxr--r--	hduser	supergroup	149.12 KB	Mar 28 18:35	1	128 MB	000002_0
-rwxr--r--	hduser	supergroup	130.69 KB	Mar 28 18:35	1	128 MB	000003_0
-rwxr--r--	hduser	supergroup	135.58 KB	Mar 28 18:35	1	128 MB	000004_0

Showing 1 to 5 of 5 entries [Previous](#) [1](#) [Next](#)

Hadoop, 2021.

```
hdfs dfs -cat /user/hive/warehouse/covid_19.db/covid_buckets_d/000002_0;
```

```
hdfs@sneha-HP-Laptop-15s-fr2xxx:/user/local/hadoop/sbin$ hdfs dfs -cat /user/hive/warehouse/covid_19.db/covid_buckets_d/000002_0;
2022-03-28 18:38:44,492 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
1113130-01-20218:00 AMBihar2548571495259373
1113030-01-20218:00 AMAssam21405410881217091
1112930-01-20218:00 AMArunachal Pradesh167585616827
1112830-01-20218:00 AMAndaman and Nicobar Islands4927624994
1112730-01-20218:00 AMAndhra Pradesh8791317152887591
110004-05-20205:00 PMWest Bengal15135963
110004-05-20205:00 PMUttar Pradesh758452742
110204-05-20205:00 PMTelangana490291082
110104-05-20205:00 PMTamil Nadu1379383023
110004-05-20205:00 PMRajasthan1356712886
115904-05-20205:00 PMPunjab117211102
115904-05-20205:00 PMMaharashtra211554812974
1159204-05-20205:00 PMMadhya Pradesh7981652942
1158904-05-20205:00 PMKarnataka30426642
115804-05-20205:00 PMGujarat10422905428
1158204-05-20205:00 PMDelhi11362644549
1116030-01-20218:00 AMUttarakhand93055164295986
1115930-01-20218:00 AMTripura3293839133350
1115830-01-20218:00 AMTelangana2903541598294306
1115730-01-20218:00 AMTamil Nadu82038112345837327
1115630-01-20218:00 AMSikkim58551336885
1115530-01-20218:00 AMRajasthan13121322765317292
1115430-01-20218:00 AMPunjab1651455681172860
1115330-01-20218:00 AMPuducherry3806264739004
1115230-01-20218:00 AMOdisha3318241906334850
1115130-01-20218:00 AMNagaland119478812088
1114930-01-20218:00 AMMeghalaya1352414613753
1114830-01-20218:00 AMMandipur2852437129037
1114730-01-20218:00 AMMaharashtra1925800510002021184
1114630-01-20218:00 AMMadhya Pradesh24803638005254667
1114530-01-20218:00 AMLadakh95171299714
1114330-01-20218:00 AMKerala141443764917630
1114230-01-20218:00 AMKarnataka92011012211938401
1114130-01-20218:00 AMJharkhand1169041070118602
1114030-01-20218:00 AMJammu and Kashmir1216171933124373
1113930-01-20218:00 AMHimachal Pradesh5008397457400
1113830-01-20218:00 AMHaryana2635013015267708
1113730-01-20218:00 AMGujarat2529274385266901
1113630-01-20218:00 AMGoa5175576653263
1113530-01-20218:00 ADM Delhi162238110841634773
1113330-01-20218:00 AMChhattisgarh2966423689304689
1113230-01-20218:00 AMChandigarh2038933420882
hdfs@sneha-HP-Laptop-15s-fr2xxx:/user/local/hadoop/sbin$
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