



Queries

<Hive Query for Task 5>

select customer_id ,count(DISTINCT driver_id) from booking_data group by customer_id order by customer_id asc;

<Screenshot after executing Query>

<Hive Query for Task 6>

select customer_id ,count(DISTINCT booking_id) from booking_data group by customer_id order by customer_id asc;





```
OK

10022393 1
10358402 1
10339567 1
1058219 1
1055935 1
10664890 1
1067894 1
11264797 1
11418837 1
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<Hive Query for Task 7>

select count(b.button_id)/count(a.booking_id) from booking_data a full outer join clickstream_data b on a.customer_id = b.customer_id;





<Hive Query for Task 8>

select cab_color ,count(distinct driver_id) from booking_data where cab_color in ('black') group by cab_color ;

```
(distinct driver_id ) from booking_data
    > where cab_color in ('black')
    > group by cab_color ;
Query ID = root_20210331082828_e9c519ba-4555-4295-899d-b078230be55f
 aunching 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>
Starting Job = job_1617168119008_0024, Tracking URL = http://ip-10-0-0-218.ec2.internal:8088/proxy/application_1617168119008_0024/
Kill Command = /opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/lib/hadoop/bin/hadoop job -kill job_1617168119008_0024
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-03-31 08:29:08,735 Stage-1 map = 0%, reduce = 0%
2021-03-31 08:29:15,210 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 4.48 sec 2021-03-31 08:29:22,782 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 7.5 sec MapReduce Total cumulative CPU time: 7 seconds 500 msec
Ended Job = job_1617168119008_0024
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 7.5 sec HDFS Read: 926263 HDFS Write: 9 SUCCESS Total MapReduce CPU Time Spent: 7 seconds 500 msec
black 72
Time taken: 37.31 seconds, Fetched: 1 row(s)
```

<Hive Query for Task 9>

select date_format(pickup_timestamp,'yyyy-MM-dd'),sum(tip_amount) from booking_data group by date_format(pickup_timestamp,'yyyy-MM-dd');





<Hive Query for Task 10>

select date_format(pickup_timestamp,'yyyy-MM') ,count(rating_by_customer) from booking_data

where rating_by_customer < 2

group by date_format(pickup_timestamp,'yyyy-MM');

```
date_format(pickup_timestamp,'yyyy-MM') ,count(rating_by_customer) from booking_data
> where rating_by_customer < 2
> group by date_format(pickup_timestamp,'yyyy-MM');
Query ID = root_20210331085757_0a717402-6bb7-4508-be5d-0b08fc3028f9
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:
Starting Job = job_1617168119008_0032, Tracking URL = http://ip-10-0-0-218.ec2.internal:8088/proxy/application_1617168119008_0032/Kill Command = /opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/lib/hadoop/bin/hadoop job -kill job_1617168119008_0032
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-03-31 08:57:11,591 Stage-1 map = 0%, reduce = 0%
2021-03-31 08:57:19,987 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 4.94 sec
2021-03-31 08:57:27,357 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 9.24 sec
MapReduce Total cumulative CPU time: 9 seconds 240 msec
Ended Job = job_1617168119008_0032
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 9.24 sec HDFS Read: 926531 HDFS Write: 116 SUCCESS Total MapReduce CPU Time Spent: 9 seconds 240 msec
 2020-02 80
 2020-03 80
 2020-05 105
2020-06 70
 2020-07 100
 020-08 160
```

<Hive Query for Task 11>

select os_version ,count(distinct customer_id) from clickstream_data where os_version in ('iOS') group by os version;

```
nt(distinct customer_id) from clickstream_data
    > where os_version in ('iOS')
    > group by os_version;
Query ID = root_20210331084040_962cdc0d-5bc4-49b9-b0ce-230ebc17dd37
 otal 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>
Starting Job = job 1617168119008_0027, Tracking URL = http://ip-10-0-0-218.ec2.internal:8088/proxy/application_1617168119008_0027/
Kill Command = /opt/cloudera/parcels/CDH-5.15.1-1.cdh5.15.1.p0.4/lib/hadoop/bin/hadoop job -kill job_1617168119008_0027
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-03-31 08:41:15,410 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 5.29 sec 2021-03-31 08:41:22,787 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 9.05 sec
MapReduce Total cumulative CPU time: 9 seconds 50 msec
Ended Job = job_1617168119008_0027
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 9.05 sec HDFS Read: 403857 HDFS Write: 9 SUCCESS
Total MapReduce CPU Time Spent: 9 seconds 50 msec
Time taken: 32.198 seconds, Fetched: 1 row(s)
```