Create Hive-Managed Tables

<Command to create the Hive tables>

Command of creating table of clickstream data:

create table.car.clickstream(customer_id string, app_version string, os_version string, lat decimal(10,2), lon decimal(10,2), page_id string, button_id string, is_button_click string, is_page_view string, is_scroll_up string, is_scroll_down string, date_timestamp string) ROW FORMAT DELIMITED FIELDS TERMINATED BY ',' LINES TERMINATED BY '\n';

```
hive> create table capstoneviji.bookings(booking_id string, customer_id int, driver_id int, customer_app_version string, customer_phone_os_version string, pi
ckup_lat decimal(5,2), pickup_lon decimal(5,2), drop_lat decimal(5,2), drop_lon decimal(5,2), pickup_timestamp timestamp, drop_timestamp timestamp, trip_fare
 decimal(8,2), tip_amount decimal(8,2), currency_code string, cab_color string, cab_registration_no string, customer_rating_by_driver int, rating_by_customer
 int, passenger_count int) ROW FORMAT SERDE 'org.apache.hadoop.hive.contrib.serde2.MultiDelimitSerDe' WITH SERDEPROPERTIES ("field.delim"=",","line.delim" =
'\n') STORED AS TEXTFILE;
OK
Time taken: 0.485 seconds
hive>
```

Command of creating table of booking data:

create table if not exists car,booking(booking_id string, customer_id int, driver_id int,customer_app_version string,customer_phone_os_version string , pickup_lat Decimal(10,2), pickup_lon decimal(10,2),drop_lat decimal(10,2), drop_lon decimal(10,2), pickup_timestamp timestamp,drop_timestamp timestamp,trip_fare decimal(10,2),tip_amount decimal(10,2),currency_code string,cab_color string,cab_registration_no string,customer_rating_by_driver int,rating_by_customer int,passenger_count int) row format delimited fields terminated by ',' lines terminated by '\n' stored as textfile;

```
hive> create table capstoneviji.bookings(booking_id string, customer_id int, driver_id int, customer_app_version string, customer_phone_os_version string, pi
ckup_lat decimal(5,2), pickup_lon decimal(5,2), drop_lat decimal(5,2), drop_lon decimal(5,2), pickup_timestamp timestamp, drop_timestamp timestamp, trip_fare
 decimal(8,2), tip_amount decimal(8,2), currency_code string, cab_color string, cab_registration_no string, customer_rating_by_driver int, rating_by_customer
 int, passenger_count int) ROW FORMAT SERDE 'org.apache.hadoop.hive.contrib.serde2.MultiDelimitSerDe' WITH SERDEPROPERTIES ("field.delim"=",","line.delim" =
'\n') STORED AS TEXTFILE;
OK
Time taken: 0.485 seconds
hive>
```

Command of creating table of aggregated data:

create table if not exists booking(pickup_date timestamp,total_bookings int);

```
hive> create table datewisebookings(booking_date date, count int) ROW FORMAT DELIMITED FIELDS TERMINATED BY ',' LINES TERMINATED BY '\n';
OK
Time taken: 0.045 seconds
hive>
```

<Command to load the data into Hive tables>

LOAD DATA INPATH '/user/capstone/clickstream/part-00000-9950f612-ebbd-4ccf-b88e-bda25394a87a-c000.csv' INTO TABLE car.clickstream ;

```
hive> LOAD DATA INPATH '/user/capstone/viji/clickstream/part-00000-9950f612-ebbd-4ccf-b88e-bda25394a87a-c000.csv' INTO TABLE capstoneviji.clickstream ;
Loading data to table capstoneviji.clickstream
OK
Time taken: 1.077 seconds
hive>
```

© Copyright 2020. upGrad Education Pvt. Ltd. All rights reserved

```
hadoop@ip-172-31-2-189:~
hive> select * from bookings;
OK
BK8968087150    51811359        15055660        2.2.14  Android -49.43   103.92  -58.80  146.48  2020-06-23 19:33:10     2020-06-06 09:02:10     534.00  83.00
INR     black   054-38-4479     4       3       3
BK629851904     31663218        60872180        3.4.1   iOS     -83.54   175.80  86.21   128.37  2020-05-23 12:22:04     2020-08-09 19:02:56     126.00  67.00
INR     lime    796-39-6801     3       2       4
BK1797410350    86869399        94276051        4.1.36  iOS     -67.89   55.23   -51.11  -31.07  2020-05-19 14:14:32     2020-08-23 18:38:39     297.00  63.00
INR     olive   748-73-1579     1       3       3
BK5788246325    58230837        45457227        2.4.27  Android 13.71    113.50  54.38   -18.44  2020-03-24 01:30:15     2020-05-19 11:16:45     932.00  32.00
INR     white   558-80-6346     3       2       2
BK8342703255    84232510        86494681        4.1.34  Android -6.09    -114.65 22.84   70.14   2020-08-03 19:10:52     2020-03-24 08:25:40     260.00  7.00I
NR      blue    068-72-1637     3       3       3
BK6015582453    11981042        35862658        2.4.39  iOS     -18.91   -70.19  -10.18  173.88  2020-07-17 05:33:48     2020-04-30 04:54:27     907.00  53.00
INR     purple  102-10-5639     3       2       3
BK4529355854    60071878        78022360        2.1.9   iOS     1.22     -56.01  35.15   104.32  2020-01-02 01:48:40     2020-02-16 04:28:55     547.00  17.00
INR     teal    866-83-4349     2       3       4
BK9720088219    14327312        94427067        3.1.2   Android -55.48   173.36  65.01   51.39   2020-04-10 15:11:07     2020-01-20 21:17:42     259.00  33.00
INR     maroon  572-73-6526     3       3       2
BK7157532607    46407210        43160003        1.3.4   Android 46.01    -16.83  7.61    -156.43 2020-06-09 05:56:31     2020-03-19 01:53:16     787.00  21.00
INR     olive   667-23-5880     2       2       3
BK5014871433    65861573        64708618        1.3.28  iOS     -29.57   64.84   84.07   -49.82  2020-08-14 20:43:42     2020-06-03 09:39:59     586.00  5.00I
NR      fuchsia 255-52-5654     5       5       1
BK9051488736    37721758        27297770        2.3.13  Android 61.94    83.25   0.03    115.47  2020-04-07 04:27:59     2020-09-29 10:51:41     912.00  80.00
INR     aqua    739-09-9569     2       1       2
BK243762319     62552969        45877457        3.3.9   iOS     -62.65   -139.15 28.03   -62.86  2020-07-01 00:36:05     2020-09-30 17:40:23     821.00  23.00
INR     black   590-44-6613     2       3       4
BK4683595168    56801961        53401707        4.2.34  iOS     -5.86    -100.00 25.02   70.47   2020-05-03 10:17:56     2020-06-08 09:11:27     71.00   10.00
INR     fuchsia 454-04-0608     5       2       3
BK9783284253    66909721        40509554        2.2.22  Android 36.19    5.69    88.99   36.58   2020-03-05 16:02:01     2020-05-29 13:36:15     26.00   81.00
INR     black   600-17-7043     3       1       3
BK2880021380    50163555        34005420        3.4.23  Android -83.07   106.27  8.83    74.87   2020-01-15 02:00:07     2020-05-12 21:53:04     571.00  99.00
INR     navy    506-09-4981     1       5       3
BK4537426043    91111754        59250769        1.2.19  iOS     -43.12   -99.94  3.70    -46.83  2020-04-28 05:18:34     2020-02-12 11:31:40     650.00  81.00
INR     white   362-35-8054     5       5       2
BK998130731     67875357        14562526        3.1.15  Android -10.86   -111.99 57.23   95.47   2020-01-25 01:37:22     2020-04-28 09:42:00     590.00  3.00I
NR      teal    359-51-9362     1       1       4
BK5645323730    18442993        84939946        3.1.29  Android -81.47   -88.40  12.69   -141.00 2020-09-24 08:18:31     2020-07-16 05:12:24     515.00  1.00I
NR      blue    024-35-8771     1       3       4
BK6163608413    36591778        11946210        4.2.38  Android 60.20    120.99  32.10   -50.55  2020-07-26 06:12:56     2020-04-23 06:57:20     810.00  58.00
INR     silver  833-16-1378     3       5       1
BK6803373649    28382306        97222676        2.1.18  iOS     6.54     161.08  -12.94  -148.23 2020-09-20 15:52:49     2020-09-17 03:13:26     927.00  74.00
INR     maroon  747-70-5557     2       2       4
BK9764570097    61225539        15265942        4.4.14  iOS     80.72    179.70  -33.35  134.01  2020-01-26 02:20:39     2020-06-12 15:05:49     246.00  72.00
INR     blue    332-71-7565     5       1       2
```

Command to load the booking data into hive tables;

LOAD DATA INPATH '/user/capstone/carride/part-m-00000' INTO TABLE car.booking ;

```
hive> LOAD DATA INPATH '/user/capstone/viji/aggregatedata/part-00000-27506ddc-7568-4052-934c-adbb5316cb29-c000.csv' INTO TABLE capstoneviji.datewisebookings
;
Loading data to table capstoneviji.datewisebookings
OK
Time taken: 0.364 seconds
hive>
```

Command to load the aggregated data into hive tables;

LOAD DATA INPATH '/user/capstone/carride2/aggregateddata/part-00000-1333eac6-29f5-41bb-89ac-2e88aa71b30c-c000.csv' INTO TABLE car.aggbooking;

```
hive> select * from capstoneviji.datewisebookings;
OK
NULL    NULL
2020-01-01      1
2020-01-02      3
2020-01-03      2
2020-01-04      2
2020-01-05      2
2020-01-06      3
2020-01-07      2
2020-01-08      4
2020-01-09      2
2020-01-10      2
2020-01-11      3
2020-01-12      3
2020-01-14      2
2020-01-15      5
2020-01-16      3
2020-01-17      4
2020-01-18      4
2020-01-20      4
2020-01-21      1
2020-01-23      4
2020-01-24      8
2020-01-25      4
2020-01-26      4
2020-01-27      3
2020-01-28      9
2020-01-29      2
2020-01-30      4
2020-01-31      5
2020-02-01      7
2020-02-02      6
2020-02-03      3
2020-02-04      4
2020-02-05      3
2020-02-06      3
2020-02-07      3
2020-02-08      6
2020-02-09      6
2020-02-10      3
2020-02-11      1
2020-02-12      3
2020-02-13      2
```

© Copyright 2020. upGrad Education Pvt. Ltd. All rights reserved

© Copyright 2020. upGrad Education Pvt. Ltd. All rights reserved