Loading the Lookup Table

Commands to load the relevant data in the Lookup Table

```
INSERT OVERWRITE TABLE LOOKUP_DATA_HBASE
SELECT RCTO.CARD_ID, CUO.UCL, CMS.SCORE, RCTO.POSTCODE,
RCTO.TRANSACTION_DT
FROM  RANKED_CARD_TRANSACTIONS_ORC RCTO
JOIN CARD_UCL_ORC CUO
ON CUO.CARD_ID = RCTO.CARD_ID
JOIN (
SELECT DISTINCT CARD.CARD_ID, SCORE.SCORE
FROM CARD_MEMBER_ORC CARD
JOIN MEMBER_SCORE_ORC SCORE
ON CARD.MEMBER_ID = SCORE.MEMBER_ID) AS CMS
ON RCTO.CARD_ID = CMS.CARD_ID
WHERE RCTO.RANK = 1;
```

Command to see the table created and it's content

```
SELECT COUNT(*) FROM LOOKUP_DATA_HBASE;
```

```
COUNT 'LOOKUP_DATA_HIVE'
```

```
SCAN 'LOOKUP_DATA_HIVE'
```

Screenshot of the created table

```
Time taken: 8.278 seconds
hive> INSERT OVERWRITE TABLE LOOKUP_DATA_HBASE
    > SELECT RCTO.CARD_ID, CUO.UCL, CMS.SCORE, RCTO.POSTCODE, RCTO.TRANSACTION_DT
    > FROM   RANKED_CARD_TRANSACTIONS_ORC RCTO
    > JOIN CARD_UCL_ORC CUO
    > ON CUO.CARD_ID = RCTO.CARD_ID
    > JOIN (
    > SELECT DISTINCT CARD.CARD_ID, SCORE.SCORE
    > FROM CARD_MEMBER_ORC CARD
    > JOIN MEMBER_SCORE_ORC SCORE
    > ON CARD.MEMBER_ID = SCORE.MEMBER_ID) AS CMS
    > ON RCTO.CARD_ID = CMS.CARD_ID
    > WHERE RCTO.RANK = 1;
No Stats for ccfd@ranked_card_transactions_orc, Columns: postcode, rank, transaction_dt, card_id
No Stats for ccfd@card_ucl_orc, Columns: card_id, ucl
No Stats for ccfd@card_member_orc, Columns: member_id, card_id
No Stats for ccfd@member_score_orc, Columns: member_id, score
Query ID = hadoop_20230213223039_af64a4db-ea8c-4511-ab38-4044e72b90df
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1676320060972_0009)

--------------------------------------------------------------------------------------
        VERTICES      MODE        STATUS  TOTAL  COMPLETED  RUNNING  PENDING  FAILED  KILLED
--------------------------------------------------------------------------------------
Map 1 .......... container     SUCCEEDED     1         1        0        0       0       0
Map 2 .......... container     SUCCEEDED     1         1        0        0       0       0
Map 3 .......... container     SUCCEEDED     1         1        0        0       0       0
Map 5 .......... container     SUCCEEDED     1         1        0        0       0       0
Reducer 4 ...... container     SUCCEEDED     2         2        0        0       0       0
--------------------------------------------------------------------------------------
VERTICES: 05/05 [==========================>>] 100%  ELAPSED TIME: 14.04 s
--------------------------------------------------------------------------------------
OK
Time taken: 21.429 seconds
hive>
```

Console Screenshot 1: Loading data into Lookup Table

```
--------------------------------------------------------------------------------------
VERTICES: 05/05 [==========================>>] 100%  ELAPSED TIME: 14.04 s
--------------------------------------------------------------------------------------
OK
Time taken: 21.429 seconds
hive> SELECT COUNT(*) FROM LOOKUP_DATA_HBASE;
Query ID = hadoop_20230213223337_191850c0-0c80-4223-9323-2bc4aa6d5e46
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1676320060972_0009)

--------------------------------------------------------------------------------------
        VERTICES      MODE        STATUS  TOTAL  COMPLETED  RUNNING  PENDING  FAILED  KILLED
--------------------------------------------------------------------------------------
Map 1 .......... container     SUCCEEDED     1         1        0        0       0       0
Reducer 2 ...... container     SUCCEEDED     1         1        0        0       0       0
--------------------------------------------------------------------------------------
VERTICES: 02/02 [==========================>>] 100%  ELAPSED TIME: 6.39 s
--------------------------------------------------------------------------------------
OK
999
Time taken: 9.518 seconds, Fetched: 1 row(s)
hive> SELECT * FROM LOOKUP_DATA_HBASE LIMIT 10;
OK
340028465709212 1.6331555548882348E7    233    24658    2018-01-02 03:25:35
340054675199675 1.4156079786189131E7    631    50140    2018-01-15 19:43:23
340082915339645 1.5285685330791473E7    407    17844    2018-01-26 19:03:47
340134186926007 1.5239767522438556E7    614    67576    2018-01-18 23:12:50
340265728490548 1.608491671255562E7     202    72435    2018-01-21 02:07:35
340268219434811 1.2507323937605347E7    415    62513    2018-01-16 04:30:05
340379737226464 1.4198310998368107E7    229    26656    2018-01-27 00:19:47
340383645652108 1.4091750460468251E7    645    34734    2018-01-29 01:29:12
340803866934451 1.0843341196185412E7    502    87525    2018-01-31 04:23:57
340889618969736 1.3217942365515321E7    330    61341    2018-01-31 21:57:18
Time taken: 0.305 seconds, Fetched: 10 row(s)
hive>
```

Console Screenshot 2: Verifying the data

Console Screenshot 3: Verifying the data

Console Screenshot 4: Results of Scan 'lookup_data_hive'