



Loading the Lookup Table

Commands to load the relevant data in the Lookup Table

<Commands to perform the loading of data in the lookup table>

```
CREATE TABLE IF NOT EXISTS ranked card transactions orc
     `card id`
                 STRING,
     `amount`
                     DOUBLE,
     `postcode` STRING,
`transaction_dt` TIMESTAMP,
     `rank`
  ) stored AS orc tblproperties ("orc.compress"="SNAPPY");
CREATE TABLE IF NOT EXISTS card ucl orc
     `card id` STRING,
     `ucl`
            DOUBLE
  ) stored AS orc tblproperties ("orc.compress"="SNAPPY");
INSERT overwrite TABLE ranked card transactions orc
SELECT b.card id,
       b.amount,
       b.postcode,
       b.transaction dt,
      b.rank
FROM
               SELECT a card id,
                         a.amount,
                         a.postcode,
                         a.transaction dt,
                         rank() OVER(partition BY a card id ORDER BY a transa
ction dt DESC, amount DESC) AS rank
                FROM
                                 SELECT card id,
                                       amount,
                                        postcode,
                                       transaction dt
                                 FROM card transactions hbase
                                 WHERE status = 'GENUINE') a ) b
WHERE b.rank <= 10;</pre>
```





```
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
                                       card member \overline{id} = score member id) AS c
                       ON
      rcto.card_id = cms.card_id
WHERE rcto.rank = 1;
```

<Command to see the table created and it's content>

<Command>

```
SELECT Count(*) FROM lookup_data_hbase;
SELECT * FROM lookup data hbase LIMIT 10;
```





Screenshot of the created table

<Screenshot of the table created>







