Creating Lookup Table

1. **Command to create the Lookup Table**

   Create table "**lookup_data_hbase**" (hive-hbase integrated table) which will be visible in hbase.

   --- Hive Operations: Starts Here -------------------------------------

   ```
   CREATE TABLE LOOKUP_DATA_HBASE(
   `CARD_ID` STRING,
   `UCL` DOUBLE,
   `SCORE` INT,
   `POSTCODE` STRING,
   `TRANSACTION_DT` TIMESTAMP)
   STORED BY 'org.apache.hadoop.hive.hbase.HBaseStorageHandler'
   WITH SERDEPROPERTIES
   ("hbase.columns.mapping"=":key, lookup_card_family:ucl, lookup_card_family:score,
   lookup_transaction_family:postcode, lookup_transaction_family:transaction_dt")
   TBLPROPERTIES ("hbase.table.name" = "lookup_data_hive");
   ```

   --- Hive Operations: Ends Here ---

2. **Command to see the table created**

   - For checking table attributes execute following command in hbase shell :

     describe 'lookup_data_hive'

3. Screenshot of the created table

- Create "**lookup_data_hbase**" table :

```
hive> CREATE TABLE LOOKUP_DATA_HBASE(`CARD_ID` STRING,`UCL` DOUBLE, `SCORE` INT, `POSTCODE`
    > STRING, `TRANSACTION_DT` TIMESTAMP) STORED BY
    > 'org.apache.hadoop.hive.hbase.HBaseStorageHandler' WITH SERDEPROPERTIES
    > ("hbase.columns.mapping"=":key, lookup_card_family:ucl, lookup_card_family:score,
    > lookup_transaction_family:postcode, lookup_transaction_family:transaction_dt") TBLPROPERTIES
[   > ("hbase.table.name" = "lookup_data_hive");
OK
Time taken: 3.26 seconds
hive>
```

- Describe '**lookup_data_hive**' :

```
hbase(main):001:0> describe 'lookup_data_hive'
Table lookup_data_hive is ENABLED
lookup_data_hive
COLUMN FAMILIES DESCRIPTION
{NAME => 'lookup_card_family', BLOOMFILTER => 'ROW', VERSIONS => '1', IN_MEMORY => 'false', KEEP_DELETED_CELLS => 'FALSE', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', COMPRESSION => 'NONE', MIN_VER
SIONS => '0', BLOCKCACHE => 'true', BLOCKSIZE => '65536', REPLICATION_SCOPE => '0'}
{NAME => 'lookup_transaction_family', BLOOMFILTER => 'ROW', VERSIONS => '1', IN_MEMORY => 'false', KEEP_DELETED_CELLS => 'FALSE', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', COMPRESSION => 'NONE',
MIN_VERSIONS => '0', BLOCKCACHE => 'true', BLOCKSIZE => '65536', REPLICATION_SCOPE => '0'}
2 row(s) in 0.2740 seconds

hbase(main):002:0>
```