This document contains the syntax of HIVE QUERIES for table CDW\_SAPP\_CREDITCARD

***// Drops any residual tables with the same name sitting in the DEFAULT database in HIVE***

drop table CREDITCARD;

drop table CDW\_SAPP\_CREDITCARD;

drop table CDW\_SAPP\_F\_CREDITCARD;

***// Creates a temporary table to pull in the data from HDFS as is in HIVE***

CREATE EXTERNAL TABLE CREDITCARD(

TRANSACTION\_ID INT,

DAY INT,

MONTH INT,

YEAR INT,

CUST\_CC\_NO STRING,

CUST\_SSN INT,

BRANCH\_CODE INT,

TRANSACTION\_TYPE STRING,

TRANSACTION\_VALUE decimal(10,2)

)

ROW FORMAT DELIMITED

FIELDS TERMINATED BY '\t'

STORED AS TEXTFILE

LOCATION '/user/maria\_dev/Credit\_Card\_System/CDW\_SAPP\_CREDITCARD/';

***// Creates a Staging table to transform the data as per Mapping Documents provided with Functional Requirement***

CREATE TABLE CDW\_SAPP\_CREDITCARD AS SELECT

TRANSACTION\_ID,

CUST\_CC\_NO ,

concat(year,lpad(month,2,'0'),lpad(day,2,'0')) as TIMEID,

CUST\_SSN ,

TRANSACTION\_TYPE ,

TRANSACTION\_VALUE,

BRANCH\_CODE FROM CREDITCARD;

ALTER TABLE CDW\_SAPP\_CREDITCARD SET TBLPROPERTIES('EXTERNAL'='TRUE');

***// Creates a Partitioning table with BRANCH\_STATE as partition field***

SET hive.exec.dynamic.partition=true;

SET hive.exec.dynamic.partition.mode=nonstrict;

create table CDW\_SAPP\_F\_CREDITCARD(

TRANSACTION\_ID int, CUST\_CC\_NO String, TIMEID varchar(8) , CUST\_SSN int ,TRANSACTION\_TYPE varchar(30),

TRANSACTION\_VALUE decimal(10,2))

PARTITIONED BY (BRANCH\_CODE int)

ROW FORMAT DELIMITED

Fields Terminated by '\t'

STORED AS textfile

LOCATION "/user/maria\_dev/Credit\_Card\_System/PartionCREDITCARD\_Branch";

SET hive.exec.dynamic.partition=true;

SET hive.exec.dynamic.partition.mode=nonstrict;

INSERT OVERWRITE TABLE CDW\_SAPP\_F\_CREDITCARD

PARTITION (BRANCH\_CODE)

SELECT TRANSACTION\_ID,CUST\_CC\_NO , TIMEID ,CUST\_SSN ,TRANSACTION\_TYPE ,TRANSACTION\_VALUE,BRANCH\_CODE

FROM CDW\_SAPP\_CREDITCARD;

***//Use Case Sales by Branch by using the Branch BRANCH\_CODE***