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

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

drop table branch;

drop table CDW\_SAPP\_branch;

drop table CDW\_SAPP\_D\_BRANCH;

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

CREATE EXTERNAL TABLE branch(

BRANCH\_CODE int,

BRANCH\_NAME STRING,

BRANCH\_STREET STRING,

BRANCH\_CITY STRING,

BRANCH\_STATE STRING,

BRANCH\_ZIP STRING,

BRANCH\_PHONE STRING,

LAST\_UPDATED TIMESTAMP

)

ROW FORMAT DELIMITED

FIELDS TERMINATED BY '\t'

STORED AS TEXTFILE

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

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

CREATE TABLE CDW\_SAPP\_BRANCH AS SELECT

BRANCH\_CODE ,

BRANCH\_NAME ,

BRANCH\_STREET ,

BRANCH\_CITY ,

coalesce(lpad(BRANCH\_ZIP,5,'0'),999999) as BRANCH\_ZIP ,

concat('(',substr(BRANCH\_PHONE,1,3),')', substr(BRANCH\_PHONE,4,3),'-',substr(BRANCH\_PHONE,7,4)) as BRANCH\_PHONE,

LAST\_UPDATED,

BRANCH\_STATE FROM branch;

ALTER TABLE CDW\_SAPP\_branch 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\_D\_BRANCH(BRANCH\_CODE int,BRANCH\_NAME varchar(25),BRANCH\_STREET varchar(30),

BRANCH\_CITY varchar(30),BRANCH\_ZIP String ,BRANCH\_PHONE String,LAST\_UPDATED TIMESTAMP)

PARTITIONED BY (BRANCH\_STATE String)

ROW FORMAT DELIMITED

Fields Terminated by '\t'

STORED AS textfile

LOCATION "/user/maria\_dev/Credit\_Card\_System/PartionBranch\_State";

SET hive.exec.dynamic.partition=true;

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

INSERT OVERWRITE TABLE CDW\_SAPP\_D\_BRANCH

PARTITION (BRANCH\_STATE)

SELECT BRANCH\_CODE ,BRANCH\_NAME ,BRANCH\_STREET ,BRANCH\_CITY ,BRANCH\_ZIP,RANCH\_PHONE ,LAST\_UPDATED ,BRANCH\_STATE

FROM CDW\_SAPP\_branch;

***//Use Case: to get all the Branch Name and Address in a particular STATE***