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

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

drop table TIMEID;

drop table CDW\_SAPP\_TIMEID;

drop table CDW\_SAPP\_D\_TIMEID;

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

CREATE EXTERNAL TABLE TIMEID(

TRANSACTION\_ID INT,

DAY INT,

MONTH INT,

YEAR INT

)

ROW FORMAT DELIMITED

FIELDS TERMINATED BY ','

STORED AS TEXTFILE

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

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

CREATE TABLE CDW\_SAPP\_TIMEID AS SELECT

TRANSACTION\_ID,

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

DAY ,

MONTH ,

YEAR ,

ceil(month / 3.0)as Quarter FROM TIMEID;

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

***// Creates a Partitioning table with QUARTER as partition field***

SET hive.exec.dynamic.partition=true;

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

create table CDW\_SAPP\_D\_TIMEID(TRANSACTIONID int,TIMEID varchar(8) ,DAY int ,MONTH int,YEAR int)

PARTITIONED BY (Quarter varchar(8))

ROW FORMAT DELIMITED

Fields Terminated by '\t'

STORED AS textfile

LOCATION "/user/maria\_dev/Credit\_Card\_System/PartionTIMEID\_Quarter";

SET hive.exec.dynamic.partition=true;

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

INSERT OVERWRITE TABLE CDW\_SAPP\_D\_TIMEID

PARTITION (Quarter)

SELECT TRANSACTIONID,TIMEID ,DAY ,MONTH ,YEAR ,Quarter

FROM CDW\_SAPP\_TIMEID;

***//Use Case Timeid by Quarter***