CREATE DATABASE RETAIL;

USE RETAIL;

use schema PUBLIC;

CREATE OR REPLACE TABLE demographic\_RAW (

AGE\_DESC CHAR(20),

MARITIAL\_STATUS\_CODE CHAR(5),

INCOME\_DESC VARCHAR(40),

HOMEOWNER\_DESC VARCHAR(40),

HH\_COMP\_DESC VARCHAR(50),

HOUSEHOLD\_SIZE\_DESC VARCHAR(50),

KID\_CATEGORY\_DESC VARCHAR(40),

household\_key INT PRIMARY KEY);

CREATE OR REPLACE TABLE CAMPAIGN\_DESC\_RAW (

DESCRIPTION CHAR(10),

CAMPAIGN INT,

START\_DAY INT,

END\_DAY INT,

PRIMARY KEY (DESCRIPTION),

UNIQUE (CAMPAIGN)

);

CREATE OR REPLACE TABLE CAMPAIGN\_RAW(

DESCRIPTION CHAR(10),

household\_key INT,

CAMPAIGN INT,

FOREIGN KEY (DESCRIPTION) references CAMPAIGN\_DESC\_RAW(DESCRIPTION),

FOREIGN KEY (CAMPAIGN ) references CAMPAIGN\_DESC\_RAW(CAMPAIGN),

FOREIGN KEY (household\_key) references demographic\_RAW(household\_key)

);

CREATE OR REPLACE TABLE PRODUCT\_RAW(

PRODUCT\_ID INT PRIMARY KEY,

MANUFACTURER INT,

DEPARTMENT VARCHAR(50),

BRAND VARCHAR(30),

COMMODITY\_DESC VARCHAR(65),

SUB\_COMMODITY\_DESC VARCHAR(65),

CURR\_SIZE\_OF\_PRODUCT VARCHAR(15)

);

CREATE OR REPLACE TABLE COUPON\_RAW(

COUPON\_UPC INT,

PRODUCT\_ID INT,

CAMPAIGN INT,

FOREIGN KEY (PRODUCT\_ID) references PRODUCT\_RAW(PRODUCT\_ID),

FOREIGN KEY (CAMPAIGN) references CAMPAIGN\_DESC\_RAW(CAMPAIGN)

);

CREATE OR REPLACE TABLE COUPON\_REDEMPT\_RAW(

household\_key INT,

DAY INT,

COUPON\_UPC INT,

CAMPAIGN INT,

FOREIGN KEY (household\_key) references demographic\_RAW(household\_key),

FOREIGN KEY (CAMPAIGN) references CAMPAIGN\_DESC\_RAW(CAMPAIGN)

);

CREATE OR REPLACE TABLE TRANSACTION\_RAW(

household\_key INT,

BASKET\_ID INT,

DAY INT,

PRODUCT\_ID INT,

QUANTITY INT,

SALES\_VALUE FLOAT,

STORE\_ID INT,

RETAIL\_DISC FLOAT,

TRANS\_TIME INT,

WEEK\_NO INT,

COUPON\_DISC INT,

COUPON\_MATCH\_DISC INT,

FOREIGN KEY (PRODUCT\_ID) references PRODUCT\_RAW(PRODUCT\_ID),

FOREIGN KEY (household\_key) references demographic\_RAW(household\_key)

);