SHOW WAREHOUSES;

USE WAREHOUSE DEMO\_DATAWAREHOUSE;

CREATE OR REPLACE TABLE HF\_SALES\_DATA

( ORDER\_ID STRING,

ORDER\_DATE STRING PRIMARY KEY,

SHIP\_DATE STRING,

SHIP\_MODE VARCHAR(50),

CUSTOMER\_NAME VARCHAR(25),

SEGMENT VARCHAR (30),

STATE VARCHAR(60),

COUNTRY VARCHAR(60),

MARKET VARCHAR(30),

REGION VARCHAR(30),

PRODUCT\_ID STRING,

CATEGORY VARCHAR(50),

SUB\_CATEGORY VARCHAR(50),

PRODUCT\_NAME STRING,

SALES NUMBER(10,0),

QUANTITY INT,

DISCOUNT FLOAT,

PROFIT FLOAT,

SHIPPING\_COST FLOAT,

ORDER\_PRIORITY VARCHAR(25),

YEAR INT);

DESCRIBE TABLE HF\_SALES\_DATA;

SELECT \* FROM HF\_SALES\_DATA;

---1.To Drop primary key from Order\_date.

ALTER TABLE HF\_SALES\_DATA

DROP PRIMARY KEY;

DESCRIBE TABLE HF\_SALES\_DATA;

--2. Changed OrderID as primary Key which was String before.

ALTER TABLE HF\_SALES\_DATA

ADD PRIMARY KEY (ORDER\_ID);

DESCRIBE TABLE HF\_SALES\_DATA;

--4. EXTRACT LAST DIGIT after '-' FROM ORDER\_ID AND MAKE A COLUMN AS ORDER\_EXTRACT.

SELECT \* , SPLIT\_PART(ORDER\_ID, '-',3) AS ORDER\_EXTRACT FROM HF\_SALES\_DATA;

--5.. FLAG ,IF DISCOUNT IS GREATER THEN 0 THEN YES ELSE FALSE AND

--PUT IT IN NEW COLUMN FRO EVERY ORDER ID.

SELECT \*,

CASE

WHEN DISCOUNT > 0 THEN 'YES'

ELSE FALSE

END AS ORDER\_DISCOUNT

FROM HF\_SALES\_DATA;

--3,6,7.FIND OUTTHE DATA TYPE OF ORDER\_DATE AND SHIP\_DATE,

--HOW MUCH DAYS TAKEN FOR EACH ORDER TO PROCESS FOR THE SHIPMENT FOR EVERY ORDER ID AND AT LAST CREATE A COLUMN RATING AS PER THE PROCAESS DAY TIME TAKEN.

CREATE OR REPLACE VIEW HF\_SALES\_DATA\_VIEW AS

SELECT \*,

TO\_DATE(ORDER\_DATE,'DD/MM/YYYY') AS ORDER\_DATE\_DD\_MM\_YYYY, TO\_DATE(SHIP\_DATE,'DD/MM/YYYY') AS SHIP\_DATE\_DD\_MM\_YYYY FROM HF\_SALES\_DATA;

DATEDIFF(DAY,ORDER\_DATE\_DD\_MM\_YYYY,SHIP\_DATE\_DD\_MM\_YYYY) AS PROCESS\_DAY,

CASE

WHEN PROCESS\_DAY <= 3 THEN 5

WHEN PROCESS\_DAY <= 6 OR PROCESS\_DAY >= 3 THEN 4

WHEN PROCESS\_DAY <= 10 OR PROCESS\_DAY >= 6 THEN 3

ELSE 2

END AS RATING

FROM HF\_SALES\_DATA;

SELECT \* FROM HF\_SALES\_DATA\_VIEW;