1 .SET PRIMARY KEY.

Ans:

alter table sales

add constraint pri\_key primary key(order\_id)

2. CHECK THE ORDER DATE AND SHIP DATE TYPE AND THINK IN WHICH DATA TYPE YOU HAVE TO CHANGE.

Creating column:

* alter table sales
* add column order\_date\_df varchar(30)
* alter table sales
* add column ship\_date\_df varchar(30)

entering value to new column:

* update sales
* set order\_date\_df =replace(order\_date,'-','/')
* update sales
* set ship\_date\_df =replace(ship\_date,'-','/')

changing to date format (YYYY-MM-DD):

* update sales
* set order\_date\_df =to\_date(order\_date\_df)
* update sales
* set ship\_date\_df =to\_date(ship\_date\_df)

3. EXTACT THE LAST NUMBER AFTER THE - AND CREATE OTHER COLUMN AND UPDATE IT.

alter table sales

add column order\_no varchar(50)

update sales

set order\_no= split\_part(order\_id,'-',3)

4. 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 discount\_status from sales

5. FIND OUT THE FINAL PROFIT AND PUT IT IN COLUMN FOR EVERY ORDER ID.

alter table sales

add column final\_profit varchar(20)

update sales

set final\_profit= profit-discount

6. FIND OUT HOW MUCH DAYS TAKEN FOR EACH ORDER TO PROCESS FOR THE SHIPMENT FOR EVERY ORDER ID.

* alter table sales
* add column shipping\_days int
* update sales
* set shipping\_days =(cast((ship\_date\_df) as date))- (cast((ship\_date\_df) as date))

7 . FLAG THE PROCESS DAY AS BY RATING IF IT TAKES LESS OR EQUAL 3 DAYS MAKE 5,LESS OR EQUAL THAN 6 DAYS BUT MORE THAN 3 MAKE 4,LESS THAN 10 BUT MORE THAN 6 MAKE 3,MORE THAN 10 MAKE IT 2 FOR EVERY ORDER ID.

select \*,

case

when shipping\_days <= 3 then '5'

when shipping\_days <= 6 and shipping\_days > 3 then '4'

when shipping\_days < 10 and shipping\_days > 6 then '3'

else '2'

end as process\_days from sales