1 .SET PRIMARY KEY.

Ans.

ALTER Table Sales\_Data

ADD Primary Key (Order\_ID);

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

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

Ans.

Alter Table Sales\_data

ADD column Order\_ID\_Hyphen varchar(10);

Select Order\_ID,Order\_ID\_Hyphen From Sales\_data

Where Order\_ID Like '-%';

4. FLAG ,IF DISCOUNT IS GREATER THEN 0 THEN YES ELSE FALSE AND PUT IT IN NEW COLUMN FRO EVERY ORDER ID.

Ans.

Select \* ,

Case When Discount > 0 Then 'YES'

Else 'False'

End As Discounted\_Detail

From Sales\_Data;

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

Ans.

Select order\_id,

Case when Discount > 0 Then ‘PROFIT'

when Discount < 0 Then ‘LOSS’

Else ‘NA’

End As Final\_Sales\_Status

From Sales\_data;

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

Ans.

Select DATEDIFF(Day, Order\_date,Ship\_date) As Days\_taken\_to\_Process

From Sales\_data;

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.

Ans.

Alter Table Sales\_Data

ADD column Days\_taken\_to\_Process Number(2);

Select Order\_id,Days\_taken\_to\_Process,

Case

when Days\_taken\_to\_Process <= 3 Then 5

when Days\_taken\_to\_Process <= 6 OR Days\_taken\_to\_Process > 3 Then 4

when Days\_taken\_to\_Process < 10 OR Days\_taken\_to\_Process > 6 Then 3

when Days\_taken\_to\_Process > 10 Then 2

End As Rating

From Sales\_data;