**SQL SCRIPT**

EDA :-

SELECT count (\*)

FROM ['Projectfinaldata'];

select count (distinct patient\_id) AS TotalPatients

FROM ['Projectfinaldata']

select count (Typeofsales), Typeofsales FROM ['Projectfinaldata']

group by Typeofsales

select distinct (dept) FROM ['Projectfinaldata']

select count (dateofbill) as date

from ['Projectfinaldata'] where typeofsales = 'sale'

select count(dateofbill) as date

from ['Projectfinaldata'] where typeofsales = 'return'

select drugname, sum (quantity) as totalquantitysold from ['Projectfinaldata']

group by drugname

select count (subcat), subcat

from ['Projectfinaldata']

group by subcat

select count (subcat1), subcat1

from ['Projectfinaldata']

group by subcat1

select [Patient\_ID] from ['Projectfinaldata']

order by Quantity

select [Patient\_ID] from ['Projectfinaldata']

order by Quantity desc

select count (Typeofsales), Typeofsales from ['Projectfinaldata']

group by Typeofsales

select avg (quantity) from ['Projectfinaldata']

select sum (quantity) from ['Projectfinaldata']

select min (quantity) from ['Projectfinaldata']

select max (quantity) from ['Projectfinaldata']

select sum (returnquantity) from ['Projectfinaldata']

select avg (returnquantity) from ['Projectfinaldata']

select min (returnquantity) from ['Projectfinaldata']

select max (returnquantity) from ['Projectfinaldata']

select sum (final\_cost) from ['Projectfinaldata']

select sum (final\_cost) from ['Projectfinaldata'] where typeofsales = 'sale'

select sum (final\_cost) from ['Projectfinaldata'] where typeofsales = 'return'

select avg (final\_cost) from ['Projectfinaldata']

select avg (final\_cost) from ['Projectfinaldata'] where Typeofsales = 'sale'

select avg (final\_cost) from ['Projectfinaldata'] where Typeofsales = 'return'

select avg (final\_sales) from ['Projectfinaldata']

select sum (final\_sales) from ['Projectfinaldata']

select sum (NetSales) from ['Projectfinaldata']

select sum (Net\_Quantity) from ['Projectfinaldata']

Pre- processing :-

SELECT \*

FROM ['Projectfinaldata']

SELECT \*

FROM ['Projectfinaldata']

WHERE [Formulation] IS NULL AND [DrugName] IS NULL AND [SubCat] IS NULL AND [SubCat1] IS NULL;

delete from ['Projectfinaldata'] where [Formulation] is null or

[DrugName] is null or

[SubCat] is null or

[SubCat1]is null

select drugname, sum(quantity) AS TotalQuantitySold from ['Projectfinaldata']

group by drugname

alter table ['Projectfinaldata']

add NetSales decimal;

update ['Projectfinaldata'] set NetSales = Final\_Sales - Final\_Cost

alter table['Projectfinaldata']

add Net\_quantity int;

update ['Projectfinaldata'] set Net\_quantity = Quantity - ReturnQuantity;