Basic And Advance Query Of SQL (Resume Project)

--1 retrieve all customers in the mumbai city

select \* from customers

where city='Mumbai';

--2 add column queries

ALTER TABLE Customers

ADD COLUMN joining\_year int;

--3 find customers joining after the year 2020

select name, joining\_year from customers

where joining\_year >2020;

--4 list all customer from the konkan

select name, city from customers

where city='konkan';

--5 find orders in march month

select \* from orders

where order\_date between '2024-03-1' and '2024-03-31'

--6 aggregation sum function

select sum(price) as Total\_price

from products;

--7 most expensive product\_name

select product\_name, price from products

order by price desc

limit 1;

--8 order quntity more than 1

select \* from order\_details

where quantity >1

--9 list all city available in the customers table

select distinct city from customers;

--10 list all order\_id with the lowest quntity

select \* from order\_details

order by quantity;

--11 join query example

select c.customer\_name, o.product

from Customers\_name c

join Orders\_name o on c.customer\_id = o.customer\_id;

--12 retrieve the total sales of each city

select c.city, sum(o.order\_amount) as total\_sales

from Customers\_name c

join Orders\_name o on c.customer\_id = o.customer\_id

group by c.city;

-- 13 average amount of laptop product

select avg(order\_amount) as avg\_price

from orders\_name

where product = 'Laptop';

-- 14 list customer who have place at leat 2 orders

select c.customer\_name, sum(o.order\_place) as place\_order

from Customers\_name c

join Orders\_name o on c.customer\_id = o.customer\_id

where order\_place >1

group by c.customer\_name;

-- 15 find the most frequently ordered product

select product, sum(order\_place) as count\_order

from orders\_name

group by product

order by count\_order desc;

--16 retrieve the total quntity of books sold by each author

select b.author, sum(o.quantity) as total\_books\_sold

from Orders\_1 o

join Books\_1 b on o.book\_id = b.book\_id

group by b.author;