**ASSIGNMENT-1**

**Drive link: https://drive.google.com/file/d/19PTE\_CnGoA-m01FTo4OxXQcY0nXRpvwI/view?usp=sharing**

-- create

CREATE TABLE customer (

custid int primary key,

custname varchar(20),

age tinyint,

caddress varchar(40)

);

CREATE table [order] (

orderid tinyint primary key,

custid int,

orderdate date,

product varchar(20),

price int,

quantity int

foreign key(custid) references customer(custid)

);

-- inserting rows into customer table

INSERT INTO customer(custid,custname,age,caddress) VALUES (1, 'alien',12, 'hyd');

INSERT INTO customer(custid,custname,age,caddress) VALUES (2, 'sache', 22,'delhi');

INSERT INTO customer(custid,custname,age,caddress) VALUES (3, null,55, 'j&k');

--how to insert a record with multiple rows

INSERT into customer VALUES(200,'jay',24,'blr'),(300,'jayaa',24,'hyd'),(400,'ajay',24,'che'),(4,'potti',23,'blr'),(500,'bravo',23,'blr'),(5,'jay',24,'hyd'),(6,'raj\_kumar',24,'hyd');

--how to insert a record to specific column

insert into customer VALUES(600,'giri',null,null);

--(or)

insert into customer(custid,custname) VALUES (700,'mani');

--hoe to update the record

update customer set age=33,caddress='jaipur' where custid=2

--if dont specify where custid then for all the custid the age and caddress will set to 33 and jaipur

--update customer set age=33,caddress='jaipur'

--how to delete the record

delete FROM customer where custid=300

--inserting rowa into ordertable

insert into [order] values (10,1,'2000-01-01','phone',30000,5),

(11,1,'2002-02-01','watch',90000,800),

(12,2,'2000-03-01','rings',30,1556),

(13,4,'2000-04-01','headset',900,85),

(14,3,'2025-05-01','bottle',600,1400),

(15,5,'2025-05-01','bottle',null,1400),

(16,5,'1990-12-01','pens',4500,14);

SELECT \* from [order];

-- fetch

SELECT \* FROM customer;

SELECT custid from customer;

GO

--1. Display the list of customers who resides in Bangalore

SELECT \* from customer where caddress='blr';

--2. Display the list of customers who does not resides in Bangalore or chennai

SELECT \* from customer where caddress!='blr' and caddress!='che';

SELECT \* from customer WHERE caddress NOT IN ('blr', 'che');

--3. Display the list of customers who’s age is greater then 50 and does not resides in Bangalore

SELECT \* from customer where age>50 and caddress!='blr';

--4. Display the list of customers who’s name starts with A

SELECT \* from customer where custname like 'A%';

--5.Display the list of customers who’s name contains a word Br

SELECT \* from customer where custname like 'br%'

--6.Display the list of customer who’s name start between a to k

SELECT \* FROM customer

where custname like '[A-k]%';

--7.Display the list of customers who’s name is 5 character long

SELECT \* FROM customer where custname like '\_\_\_\_\_%';

--(or)

SELECT \* from customer where len(custname)=5;

--8.Display the list of customer who’s name a. Start with s b. Third character is c c. Ends with e

SELECT \* FROM customer where custname like 's%' and custname like '\_\_c%' and custname like '%e';

--(or)

SELECT \* from customer where custname like 's\_c%e';

--9.Display unique customer names from customers table

SELECT distinct custname from customer;

--10.List orders details where qty falling in the range 100-200 and 700-1200

SELECT \*

FROM [order]

WHERE quantity BETWEEN 100 AND 200

OR quantity BETWEEN 700 AND 1200;

--11. List customer details where custname beginning with AL and ending with N

SELECT \* FROM customer where custname like 'al%' and custname like '%n';

--12.Display what each price would be if a 20% price increase were to take

--place. Show the custid , old price and new price ,using meaningful headings(use orders table)

SELECT custid,product,price as old\_price ,(0.2)\*price as new\_price

from [order]

where price is not null;

--13.Display top 3 highest qty from orders table

SELECT top 3 \*

from [order]

where price is not null

order by quantity desc;

--14.Display how many times customers have purchased a product (display count and customerid from orders table)

SELECT custid,count(custid) as purchase\_often from [order] group by custid;

--15.Display the list of orders who’s orders made earlier then 5 years from now

SELECT \* from [order] where orderdate < dateadd(year,-5,getdate());

SELECT \* from [order] where year(getdate()) - year(orderdate) > 5;

--16.Select \* from customers where custname is null

Select \* from customer where custname is null;

--17. Display orderdetails in following format

--OrderID-Date Total(price\*qty)

--100-1/1/2000 500

Select cast(orderid as varchar)+ '-' +cast(orderdate as varchar) as orderid\_date,(price\*quantity) as total from [order] where price is not null;

Select concat(orderid,'-',orderdate),price\*quantity as total from [order];

--18. Update orders table by decreasing price by 20% for qty > 50

update [order] set price = price - (0.2\*price) where price is not null and quantity>50;

Select \* from [order] where price is not null;

--display the record which cotains underscore(\_) in their name

Select \* from customer where custname like '%[\_]%';

--19.You want to retrieve data for all the orders who made order '1-12-90' having price 4000 – 6000 and sort the column in descending order on price

Select \*

from [order]

where orderdate='1990-12-01' and price BETWEEN 4000 and 6000 and price is not null

order by price desc;

--20.Display order details in following format

--Custid Price (sum of price) Count (count of qty)

--1 5000 3

--2 4000 9

--3 6700 6

Select custid,sum(price) as price\_sumofprice,count(quantity) as count\_qty

from [order]

group by custid;

--21.Display above details only for price > 4000

Select custid,sum(price) as price\_sumofprice,count(quantity) as count\_qty

from [order]

group by custid

having sum(price)>4000;

--22.Write a query to create duplicate table of customer , and name it as custhistory

--a. Delete all the records of custhistory

--b. Copy records of customers to custhistory where age > 30

Select \* into custhistory from customer ;

Select \* from custhistory;

--a. Delete all the records of custhistory

Delete from custhistory;

Select \* from custhistory;

--b Copy records of customers to custhistory where age > 30

insert into custhistory

Select \* from customer where age>30;

Select \* from custhistory;