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MCA 2020 - 2022

DBMS Assignment 5

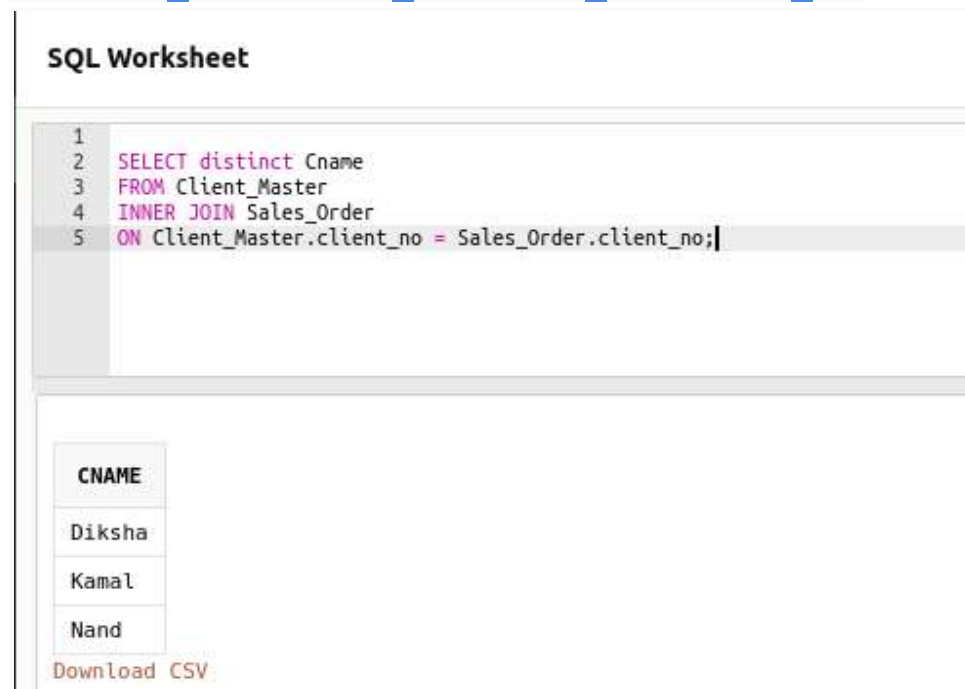
1. Find out the names of all clients who placed an order.

`SELECT distinct Cname`

`FROM Client_Master`

`INNER JOIN Sales_Order`

`ON Client_Master.client_no = Sales_Order.client_no;`



The screenshot shows an SQL Worksheet interface. At the top, it says "SQL Worksheet". Below that, there is a text area containing the following SQL query:

```
1
2 SELECT distinct Cname
3 FROM Client_Master
4 INNER JOIN Sales_Order
5 ON Client_Master.client_no = Sales_Order.client_no;
```

Below the query, there is a table with the following data:

CNAME
Diksha
Kamal
Nand

At the bottom of the table, there is a link that says "Download CSV".

2. Find the name of all clients having 'a' as the second letter in their names.

`SELECT distinct Cname`

`FROM Client_Master`

`WHERE Cname like '_a%';`

```

1 SELECT distinct Cname
2 FROM Client_Master
3 WHERE Cname like '_a%';

```

CNAME
Kamal
Nand
Raju

Download CSV

3. Print the information from sales_order table of order placed in month of january.

```

SELECT *
FROM Sales_Order
WHERE s_order_date between TO_DATE('31/12/2020', 'DD/MM/YYYY')
and TO_DATE('1/2/2021', 'DD/MM/YYYY') ;

```

```

1 SELECT *
2 FROM Sales_Order
3 WHERE s_order_date between TO_DATE('31/12/2020', 'DD/MM/YYYY') and TO_DATE('1/2/2021', 'DD/MM/YYYY') ;

```

S_ORDER_NO	S_ORDER_DATE	CLIENT_NO	SALESMAN_NO	ORDER_STATUS	QTY	PRODUCT_NO
00001	13-JAN-21	C1003	S0001	Delivered	10	P1001
00002	15-JAN-21	C1002	S0001	Delivered	20	P1004
00004	21-JAN-21	C1003	S0002	Pending	20	P1002

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4. Display order information for client_no 'C1001' and 'C1002'

```

SELECT *
FROM Sales_Order
WHERE client_no in('C1001','C1002') ;

```

```

1 SELECT *
2 FROM Sales_Order
3 WHERE client_no in('C1001','C1002') ;

```

S_ORDER_NO	S_ORDER_DATE	CLIENT_NO	SALESMAN_NO	ORDER_STATUS	QTY	PRODUCT_NO
00002	15-JAN-21	C1002	S0001	Delivered	20	P1004

[Download CSV](#)

5. Find the products with description as 'Pepsi' and 'Limonata - Limey Minty Cooler'

`SELECT *FROM Product_Master`

`WHERE description in('Pepsi','Limonata - Limey Minty Co') ;`

```

1 SELECT *FROM Product_Master
2 WHERE description in('Pepsi','Limonata - Limey Minty Co') ;|

```

PRODUCT_NO	DESCRIPTION	PROFIT_PERCENT	UNIT_MEASURE	QTY_ON_HAND	RECORDER_LVL	SELL_PRICE	COST_PRICE
P1002	Pepsi	119	Dozen	200	50	350	160
P1003	Limonata - Limey Minty Co	56	Dozen	49	50	350	225

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6. Find the product with maximum and minimum selling price

`SELECT product_no,description FROM Product_Master`

`WHERE sell_price =(SELECT MIN(sell_price) FROM Product_Master) or
sell_price =(SELECT MAX(sell_price) FROM Product_Master) ;`

```

1 SELECT product_no,description FROM Product_Master
2 WHERE sell_price =(SELECT MIN(sell_price) FROM Product_Master) or sell_price =(SELECT MIN(sell_price) FROM Product_Master) ;

```

PRODUCT_NO	DESCRIPTION
P1001	Diet Coke Soft Drink
P1002	Pepsi
P1003	Limonata - Limey Minty Co
P1004	Thums Up
P1005	Instant Ice Tea Mix-Lemo

Download CSV

7. List the names of clients placed order in the month of 'January'

```

select distinct cname from client_master inner join sales_order on
sales_order.client_no = client_master.client_no
where s_order_date >= '1-Jan-2021' and s_order_date <= '31-Jan-2021';

```

```

1 select distinct cname from client_master inner join sales_order on sales_order.client_no = client_master.client_no
2 where s_order_date >= '1-Jan-2021' and s_order_date <= '31-Jan-2021';
3
4

```

CNAME
Kamal
Nand

Download CSV

8. Count the total no. of orders placed by each customer

9. Calculate the average price of all the products.

```

Select avg(sell_price) from Product_Master;

```

```

1 --Calculate the average price of all the products.
2 select avg(sell_price) from Product_Master;
3
4
5
6

```

AVG(SELL_PRICE)
350

Download CSV

10. Determine the maximum and minimum product price. Rename the title as max_price and min_price respectively.

Select max(sell_price) as max_price, min(sell_price) as min_price from Product_Master;

```
1 --Determine the maximum and minimum product price. Rename the title as max_price and min_price respectively.
2 Select max(sell_price) as max_price, min(sell_price) as min_price from Product_Master;
3
4
5
6
```

MAX_PRICE	MIN_PRICE
350	350

Download CSV

11. Count the number of product having cost price greater than or equal to 200.

Select count(cost_price) from Product_Master where cost_price >= 200;

```
1 --.Count the number of product having cost price greater than or equal to 200.
2 Select count(cost_price) from Product_Master where cost_price >= 200;
3
4
5
6
```

COUNT(COST_PRICE)
3

Download CSV

12. Find all products whose qty_on_hand is less than recorder level.

Select description from Product_Master where qty_on_hand < recorder_lvl;

```
1 --Find all products whose qty_on_hand is less than recorder level.
2 Select description from Product_Master where qty_on_hand < recorder_lvl;
3
4
5
6
```

DESCRIPTION
Limonata - Limey Minty Co

13. Print the product name which has been sold to 'Sameer'.

```
select description from product_master where product_no in(select
product_no from sales_order where salesman_no =(select salesman_no
from salesman_master where salesman_name='Sameer'));
```

SQL Worksheet

```

1
2 select description from product_master where product_no in(select product_no from
3 sales_order where salesman_no =(select salesman_no from salesman_master where salesman_name='Sameer'));
```

DESCRIPTION
Diet Coke Soft Drink
Thums Up

[Download CSV](#)

14. Print the product name of the pending orders .

```
select description from product_master inner join sales_order on
sales_order.product_no = product_master.product_no where order_status
= 'Pending'
```

```

1 --Print the product name which has been sold to 'Sameer'.
2 select description from product_master inner join sales_order on sales_order.product_no =
3 product_master.product_no where order_status = 'Pending';
4
5
6
```

DESCRIPTION
Pepsi
Diet Coke Soft Drink

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15. Find the order_no, product name ,sales man name, client name for product P1002.

select o.S_ORDER_NO, p.description, c.Cname, s.salesman_name from
product_master p, client_master c,
salesman_master s,Sales_Order o where o.product_no ='P1002'
and o.product_no=p.product_no and o.client_no=c.client_no and
o.salesman_no=s.salesman_no;

```
1 select o.S_ORDER_NO, p.description, c.Cname, s.salesman_name from product_master p, client_master c,  
2 salesman_master s,Sales_Order o where o.product_no ='P1002'  
3 and o.product_no=p.product_no and o.client_no=c.client_no and o.salesman_no=s.salesman_no;
```

S_ORDER_NO	DESCRIPTION	CNAME	SALESMAN_NAME
00003	Pepsi	Diksha	Ashu
00004	Pepsi	Kamal	Sumit

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0 rows selected