DEV JATINBHAI PATEL

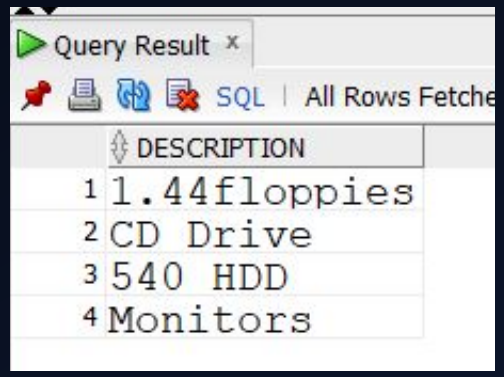
CE076

20CEUOS018

DBMS LAB6

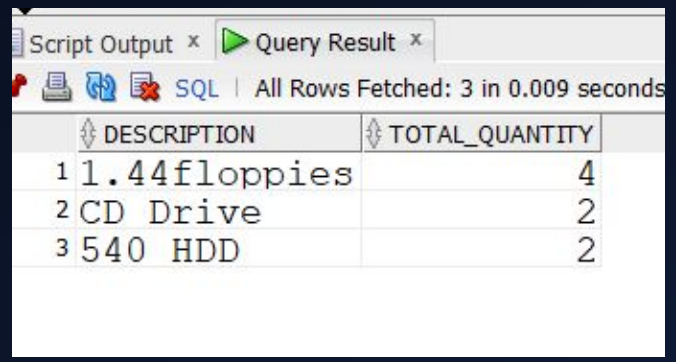
1. Find out the product which has been sold to ‘Ivan’

```
SELECT DISTINCT p.description FROM client_master c
JOIN sales_order so ON c.client_no = so.client_no AND c.name =
'Ivan'
JOIN sales_order_details sod ON so.s_order_no = sod.s_order_no
JOIN product_master p ON sod.product_no = p.product_no;
```



2. Find out the product and their quantities that will have to be delivered in the January month.

```
SELECT DISTINCT p.description,
SUM(sod.qty_order)TOTAL_QUANTITY FROM sales_order_details
sod
 JOIN sales_order so ON so.s_order_no = sod.s_order_no
 AND so.dely_date between date '1996-01-01' and date '1996-01-31'
 JOIN product_master p ON sod.product_no = p.product_no
 AND sod.qty_disp != 0
GROUP BY (p.description);
```



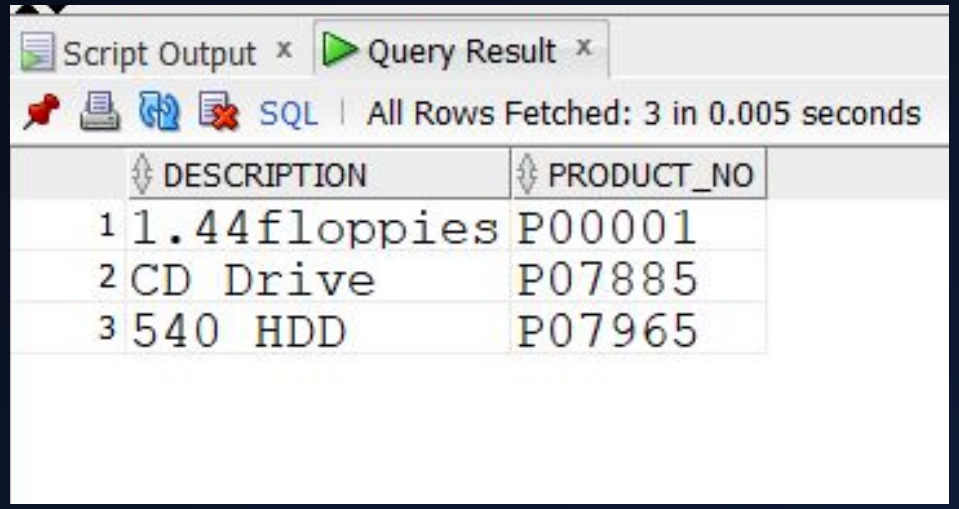
3.Find the product_no and description of moving products.

```
SELECT DISTINCT p.description , p.product_no from product_master p

join sales_order_details sod on sod.qty_disp != '0' and
sod.product_no = p.product_no

join sales_order so on so.order_status = 'in process' and
so.s_order_no = sod.s_order_no;

select * from sales_order;
```

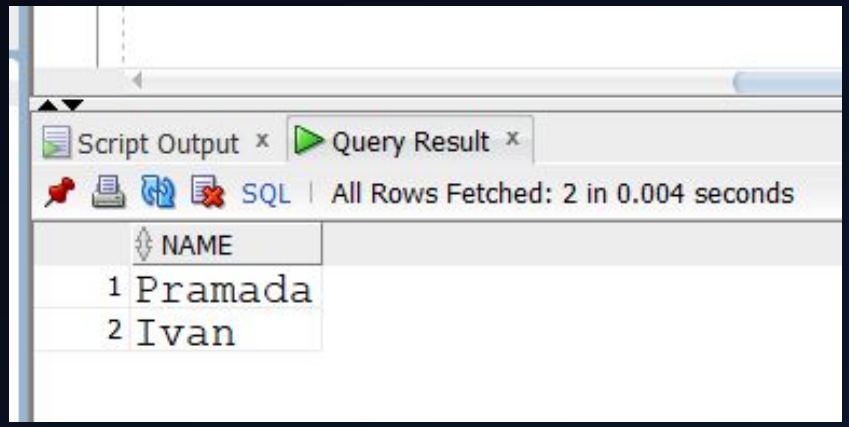


	DESCRIPTION	PRODUCT_NO
1	1.44floppies	P00001
2	CD Drive	P07885
3	540 HDD	P07965

4.Find out the names of clients who have purchased ‘CD DRIVE’.

```
select c.name from client_master c join sales_order so on c.client_no
= so.client_no join sales_order_details sod on

sod.s_order_no = so.s_order_no join product_master pm on
pm.product_no = sod.product_no where pm .description = 'CD Drive';
```



5.List the product_no and s_order_no of customers having qty ordered less than 5

from the order details table for the product “1.44 floppies”.

```
select sod.product_no , sod.s_order_no from sales_order_details sod
join product_master pm on

 sod.product_no = pm.product_no and sod.qty_order < 5 and
pm.description

='1.44floppies';
```

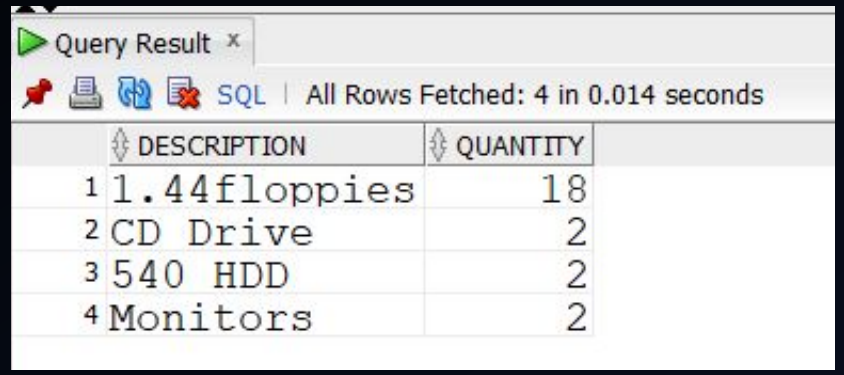
Query Result

SQL | All Rows Fetched: 2 in 0.003 seconds

	PRODUCT_NO	S_ORDER_NO
1	P00001	O19001
2	P00001	O19003

6.Find the products and their quantities for the orders placed by ‘Vandana’ and ‘Ivan’.

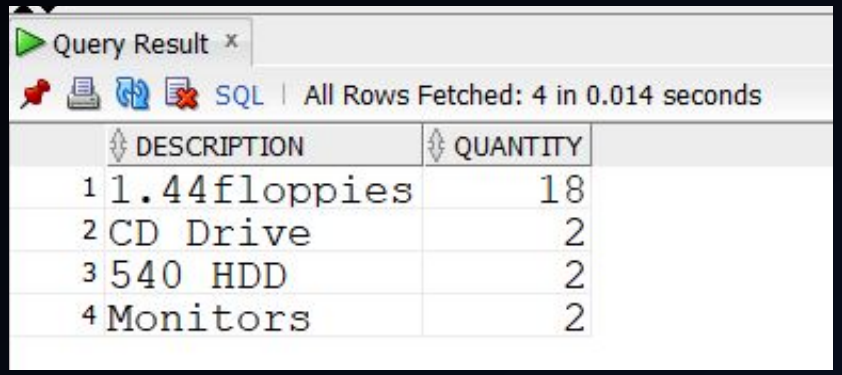
```
select p.description,sum(sod.Qty_order) as Quantity from
sales_order so join client_master c on
so.client_no = c.client_no AND (c.name = 'Ivan' OR c.name =
'Vandana')
join sales_order_details sod on sod.s_order_no = so.s_order_no
join product_master p on p.product_no = sod.product_no group
by(p.description);
```



	DESCRIPTION	QUANTITY
1	1.44floppies	18
2	CD Drive	2
3	540 HDD	2
4	Monitors	2

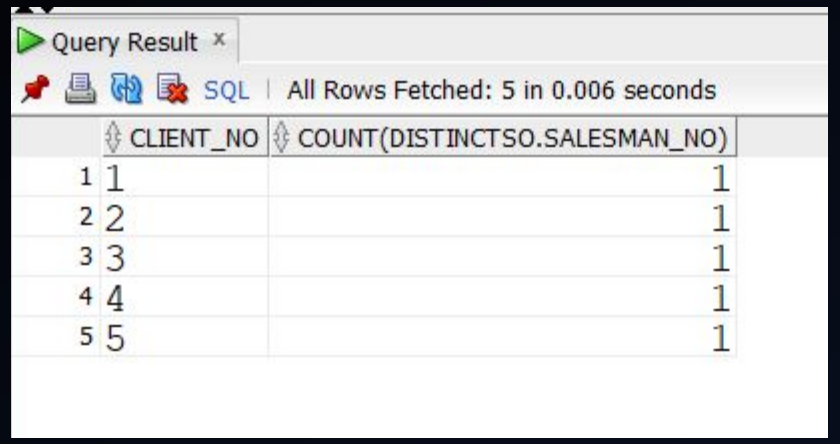
7. Find the products and their quantities for the orders placed by client_no ‘C00001’ and ‘C00002’.

```
select p.description, SUM(sod.qty_order) as Quantity from sales_order so join client_master c on so.client_no in('0001','0002') And so.client_no = c.client_no join sales_order_details sod on sod.s_order_no = so.s_order_no join product_master p on p.product_no = sod.product_no group by(p.description);
```



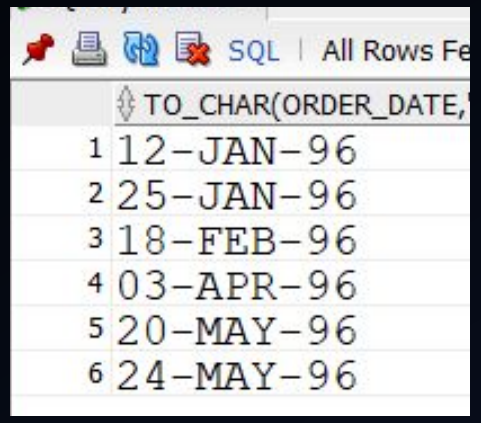
8. Find Client No. and count of salesman No. where a client has been received by more than one salesman.

```
SELECT
 TRIM(LEADING '0' FROM c.client_no) client_no,
 COUNT(DISTINCT so.salesman_no) FROM client_master c
 JOIN sales_order so ON c.client_no = so.client_no
GROUP BY (c.client_no);
```



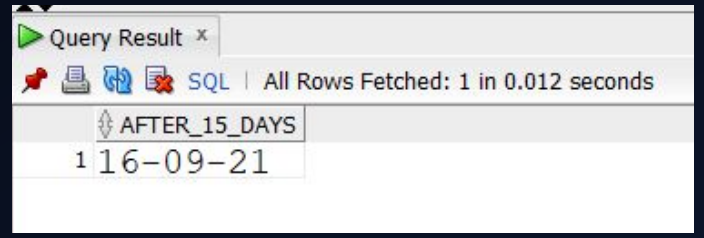
9.Display the s_order_date in the format “dd-mm-yy” e.g. “12-feb96”.

SELECT TO_CHAR(order_date,'DD-MON-YY')FROM sales_order;



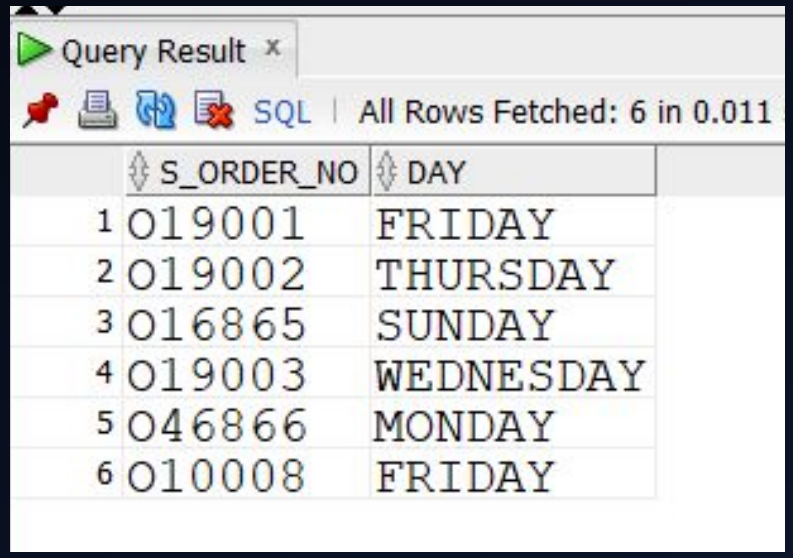
10.Find the date, 15 days after the current date.

SELECT SYSDATE + 15 after_15_days FROM dual;



11. List the order number and day on which clients placed their order.

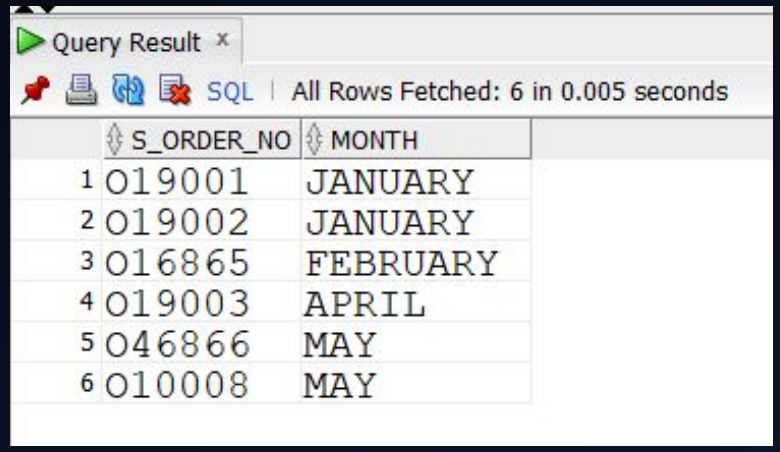
Select so.s_order_no ,to_char(so.order_date ,'DAY') DAY FROM sales_order so join client_master c on c.client_no = so.client_no ;



	S_ORDER_NO	DAY
1	O19001	FRIDAY
2	O19002	THURSDAY
3	O16865	SUNDAY
4	O19003	WEDNESDAY
5	O46866	MONDAY
6	O10008	FRIDAY

12. List the month (in alphabets) and date when the order must be delivered.

```
Select so.s_order_no ,to_char(so.dely_date ,'MONTH') MONTH
FROM sales_order so join client_master c on c.client_no =
so.client_no ;
```



	S_ORDER_NO	MONTH
1	O19001	JANUARY
2	O19002	JANUARY
3	O16865	FEBRUARY
4	O19003	APRIL
5	O46866	MAY
6	O10008	MAY