

ORACLE LAB EXERCISE - 3

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SQL> connect system

Enter password:

Connected.

SQL> create table Sales(Sale_id number,product_id number,quantity_sold number,sale_date date,total_price float);

Table created.

SQL> insert into Sales values(1,101,5,to_date('2024-01-01','YYYY-MM-DD'),2500.00);

1 row created.

SQL> insert into Sales values(2,102,3,to_date('2024-01-02','YYYY-MM-DD'),900.00);

1 row created.

SQL> insert into Sales values(3,103,2,to_date('2024-01-02','YYYY-MM-DD'),60.00);

1 row created.

SQL> insert into Sales values(4,104,4,to_date('2024-01-03','YYYY-MM-DD'),80.00);

1 row created.

SQL> insert into Sales values(5,105,6,to_date('2024-01-03','YYYY-MM-DD'),90.00);

1 row created.

SQL> select * from Sales;

SALE_ID	PRODUCT_ID	QUANTITY_SOLD	SALE_DATE	TOTAL_PRICE
-----	-----	-----	-----	-----
1	101	5	01-JAN-24	2500

2	102	3	02-JAN-24	900
3	103	2	02-JAN-24	60
4	104	4	03-JAN-24	80
5	105	6	03-JAN-24	90

SQL> select SALE_ID,QUANTITY_SOLD from Sales;

SALE_ID	QUANTITY_SOLD
-----	-----
1	5
2	3
3	2
4	4
5	6

SQL> select SALE_ID,SALE_DATE from Sales;

SALE_ID	SALE_DATE
-----	-----
1	01-JAN-24
2	02-JAN-24
3	02-JAN-24
4	03-JAN-24
5	03-JAN-24

SQL> select * from Sales where TOTAL_PRICE>100;

SALE_ID	PRODUCT_ID	QUANTITY_SOLD	SALE_DATE	TOTAL_PRICE
-----	-----	-----	-----	-----
1	101	5	01-JAN-24	2500
2	102	3	02-JAN-24	900

SQL> SELECT * FROM Sales WHERE SALE_DATE = TO_DATE('2024-01-03', 'YYYY-MM-DD');

SALE_ID	PRODUCT_ID	QUANTITY_SOLD	SALE_DATE	TOTAL_PRICE
-----	-----	-----	-----	-----
4	104	4	03-JAN-24	80
5	105	6	03-JAN-24	90

SQL> select SALE_ID,PRODUCT_ID, TOTAL_PRICE from Sales where QUANTITY_SOLD>4;

SALE_ID	PRODUCT_ID	QUANTITY_SOLD	SALE_DATE	TOTAL_PRICE
-----	-----	-----	-----	-----
1	101	5	01-JAN-24	2500
5	105	6	03-JAN-24	90

SQL> select * from Sales where SALE_ID in(1,3,5);

SALE_ID	PRODUCT_ID	QUANTITY_SOLD	SALE_DATE	TOTAL_PRICE
-----	-----	-----	-----	-----
1	101	5	01-JAN-24	2500
3	103	2	02-JAN-24	60
5	105	6	03-JAN-24	90

SQL> select * from Sales where TOTAL_PRICE between 90 and 1000;

SALE_ID	PRODUCT_ID	QUANTITY_SOLD	SALE_DATE	TOTAL_PRICE
-----	-----	-----	-----	-----
2	102	3	02-JAN-24	900
5	105	6	03-JAN-24	90

SQL> select * from Sales where TOTAL_PRICE not between 90 and 1000;

SALE_ID	PRODUCT_ID	QUANTITY_SOLD	SALE_DATE	TOTAL_PRICE
-----	-----	-----	-----	-----
1	101	5	01-JAN-24	2500
3	103	2	02-JAN-24	60
4	104	4	03-JAN-24	80

SQL> select * from Sales where SALE_ID not in(1,3,5);

SALE_ID	PRODUCT_ID	QUANTITY_SOLD	SALE_DATE	TOTAL_PRICE
-----	-----	-----	-----	-----
2	102	3	02-JAN-24	900
4	104	4	03-JAN-24	80

SQL> update Sales set TOTAL_PRICE=500 where SALE_ID in (1,3,5);

3 rows updated.

SQL> delete from Sales where TOTAL_PRICE not between 90 and 1000;

1 row deleted.

SQL> select * from Sales order by SALE_ID;

SALE_ID	PRODUCT_ID	QUANTITY_SOLD	SALE_DATE	TOTAL_PRICE
-----	-----	-----	-----	-----
1	101	5	01-JAN-24	500
2	102	3	02-JAN-24	900
3	103	2	02-JAN-24	500
5	105	6	03-JAN-24	500

SQL> select * from Sales order by SALE_ID desc;

SALE_ID	PRODUCT_ID	QUANTITY_SOLD	SALE_DATE	TOTAL_PRICE
-----	-----	-----	-----	-----
5	105	6	03-JAN-24	500
3	103	2	02-JAN-24	500
2	102	3	02-JAN-24	900
1	101	5	01-JAN-24	500

SQL> alter table Sales rename column SALE_ID to SALES_ID;

Table altered.

SQL> ALTER TABLE Sales DROP COLUMN SALES_ID;

Table altered.

SQL> rename Sales to tbl_sales;

Table renamed.

SQL> drop table tbl_sales;

Table dropped.