**SQL ASSIGNMENT-2**

**TABLE CREATION:**

**create table Sales\_table(sale\_id number(5),product\_id number(5),quantity\_sold number(5),sale\_date date,total\_price decimal(10,2));**

insert into Sales\_table values(1,101,5,TO\_DATE('2024-01-01','YYYY-MM-DD'),2500.00);

1 row created.

insert into Sales\_table values(2,102,3,TO\_DATE('2024-01-02','YYYY-MM-DD'),900.00);

1 row created.

insert into Sales\_table values(3,103,2,TO\_DATE('2024-01-02','YYYY-MM-DD'),60.00);

1 row created.

insert into Sales\_table values(4,104,2,TO\_DATE('2024-01-03','YYYY-MM-DD'),80.00);

1 row created.

insert into Sales\_table values(5,105,6,TO\_DATE('2024-01-03','YYYY-MM-DD'),90.00);

1 row created.

**1)Retrieve all columns from the Sales table.**

**select \* from Sales\_table;**

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 2 03-JAN-24 80

5 105 6 03-JAN-24 90

**2)Retrieve sale\_id and quantity\_sold from sales table.**

**SELECT sale\_id, quantity\_sold from Sales\_table;**

SALE\_ID QUANTITY\_SOLD

---------- -------------

1 5

2 3

3 2

4 2

5 6

**3)Retrieve the sale\_id and sale\_date from the Sales table.**

**SELECT sale\_id, sale\_date from Sales\_table;**

SALE\_ID SALE\_DATE

---------- ---------

1 01-JAN-24

2 02-JAN-24

3 02-JAN-24

4 03-JAN-24

5 03-JAN-24

**4)Filter the Sales table to show only sales with a total\_price greater than $100.**

**select \* from Sales\_table 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

**5)Retrieve the sale\_id and total\_price from the Sales table for sales made on January 3, 2024.**

**select sales\_id, total\_price from Sales\_table where sale\_date = TO\_DATE('2024-01-03', 'YYYY-MM-DD');**

SALE\_ID TOTAL\_PRICE

---------- -----------

4 80

5 90

**6)Retrieve the sale\_id, product\_id, and total\_price from the Sales table for sales with a quantity\_sold greater than 4.**

**select sales\_id, product\_id, total\_price from Sales\_table where quantity\_sold > 4;**

SALE\_ID PRODUCT\_ID TOTAL\_PRICE

---------- ---------- -----------

1 101 2500

5 105 90

**7)Retrieve all columns from the Sales table those sale\_id are 1, 3 & 5.**

**select \* from Sales\_table where sales\_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

**8). Retrieve all columns from the Sales table those total\_price between 90 and 1000.**

**select \* from Sales\_table where total\_price between 90 and 100;**

SALE\_ID PRODUCT\_ID QUANTITY\_SOLD SALE\_DATE TOTAL\_PRICE

---------- ---------- ------------- --------- -----------

5 105 6 03-JAN-24 90

**9)Retrieve all columns from the Sales table those total\_price not between 90 and 1000.**

**select \* from Sales\_table where total\_price not between 90 and 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

3 103 2 02-JAN-24 60

4 104 2 03-JAN-24 80

**10)Retrieve all columns from the Sales table those sale\_id are not in 1, 3 & 5.**

**select \* from Sales\_table where sales\_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 2 03-JAN-24 80

**11)Update total\_price as 500 in the Sales table those sale\_id are 1, 3 & 5.**

**update Sales\_table set total\_price=500 where sales\_id in (1,3,5);**

3 rows updated.

**select \* from Sales\_table;**

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

4 104 2 03-JAN-24 80

5 105 6 03-JAN-24 500

**12)delete from the Sales table those total\_price not between 90 and 1000.**

**delete from Sales\_table where total\_price not between 90 and 1000;**

**1 row deleted.**

select \* from Sales\_table;

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

**13)Sort all the records using sale\_id column in ascending order.**

**select \* from Sales\_table order by sale\_id asc;**

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

**14)Sort all the records using sale\_id column in descending order.**

**select \* from Sales\_table 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

**15)Rename the sale\_id column as sales\_id;**

**alter table Sales\_table rename column sale\_id to sales\_id;**

Table altered.

select \* from Sales\_table;

SALES\_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

**16)Drop the column sales\_id.**

**alter table Sales\_table drop column sales\_id;**

Table altered.

select \* from Sales\_table;

PRODUCT\_ID QUANTITY\_SOLD SALE\_DATE TOTAL\_PRICE

---------- ------------- --------- -----------

101 5 01-JAN-24 500

102 3 02-JAN-24 900

103 2 02-JAN-24 500

105 6 03-JAN-24 500

**17) Rename the table as tbl\_sales.**

**rename Sales\_table to tbl\_sales;**

Table renamed.

**18)Drop the table.**

**drop table tbl\_sales;**

Table dropped.