

NAME: SNEHA K

20-MAY-2025

TASK 6

```
SQL> create table online_sales(order_id number,order_date DATE,amount number,product_id number);
Table created.

SQL> insert into online_sales values(&order_id,&'order_date',&amount,&product_id);
Enter value for order_id: 101
Enter value for order_date: 05-JUN-2024
Enter value for amount: 250
Enter value for product_id: 11
old 1: insert into online_sales values(&order_id,&'order_date',&amount,&product_id)
new 1: insert into online_sales values(101,'05-JUN-2024',250,11)

1 row created.

SQL> /
Enter value for order_id: 102
Enter value for order_date: 07-JUN-2024
Enter value for amount: 500
Enter value for product_id: 12
old 1: insert into online_sales values(&order_id,&'order_date',&amount,&product_id)
new 1: insert into online_sales values(102,'07-JUN-2024',500,12)

1 row created.
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```
SQL> /
Enter value for order_id: 103
Enter value for order_date: 05-JAN-2024
Enter value for amount: 300
Enter value for product_id: 13
old 1: insert into online_sales values(&order_id,&order_date,&amount,&product_id)
new 1: insert into online_sales values(103,'05-JAN-2024',300,13)

1 row created.

SQL> /
Enter value for order_id: 104
Enter value for order_date: 06-FEB-2024
Enter value for amount: 587
Enter value for product_id: 14
old 1: insert into online_sales values(&order_id,&order_date,&amount,&product_id)
new 1: insert into online_sales values(104,'06-FEB-2024',587,14)

1 row created.

SQL> /
Enter value for order_id: 105
Enter value for order_date: 07-MAR-2024
Enter value for amount: 675
Enter value for product_id: 15
old 1: insert into online_sales values(&order_id,&order_date,&amount,&product_id)
new 1: insert into online_sales values(105,'07-MAR-2024',675,15)

1 row created.

SQL> /
Enter value for order_id: 106
Enter value for order_date: 19-JUN-2025
Enter value for amount: 849
Enter value for product_id: 16
old 1: insert into online_sales values(&order_id,&order_date,&amount,&product_id)
new 1: insert into online_sales values(106,'19-JUN-2025',849,16)

1 row created.
```

```
SQL> /
Enter value for order_id: 107
Enter value for order_date: 24-JUL-2025
Enter value for amount: 754
Enter value for product_id: 17
old 1: insert into online_sales values(&order_id,&order_date,&amount,&product_id)
new 1: insert into online_sales values(107,'24-JUL-2025',754,17)

1 row created.
```

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SQL> /
Enter value for order_id: 108
Enter value for order_date: 17-AUG-2024
Enter value for amount: 647
Enter value for product_id: 18
old 1: insert into online_sales values(&order_id,&order_date,&amount,&product_id)
new 1: insert into online_sales values(108,'17-AUG-2024',647,18)

1 row created.

SQL> /
Enter value for order_id: 109
Enter value for order_date: 18-SEP-2025
Enter value for amount: 478
Enter value for product_id: 19
old 1: insert into online_sales values(&order_id,&order_date,&amount,&product_id)
new 1: insert into online_sales values(109,'18-SEP-2025',478,19)

1 row created.

SQL> /
Enter value for order_id: 110
Enter value for order_date: 20-OCT-2023
Enter value for amount: 756
Enter value for product_id: 20
old 1: insert into online_sales values(&order_id,&order_date,&amount,&product_id)
new 1: insert into online_sales values(110,'20-OCT-2023',756,20)

1 row created.

```

```
SQL> select * from online_sales;
```

ORDER_ID	ORDER_DAT	AMOUNT	PRODUCT_ID
101	05-JUN-24	250	11
102	07-JUN-24	500	12
103	05-JAN-24	300	13
104	06-FEB-24	587	14
105	07-MAR-24	675	15
106	19-JUN-25	849	16
107	24-JUL-25	754	17
108	17-AUG-24	647	18
109	18-SEP-25	478	19
110	20-OCT-23	756	20

```
10 rows selected.
```

```
SQL> select extract ( year from order_date) as year,extract(month from order_date) as month, sum(amount) as total_revenue from online_sales group by extract(year from order_date),extract(month from order_date) order by year,month;
```

YEAR	MONTH	TOTAL_REVENUE
2023	10	756
2024	1	300
2024	2	587
2024	3	675
2024	6	750
2024	8	647
2025	6	849
2025	7	754
2025	9	478

9 rows selected.

```
SQL> select to_char(order_date , 'YYYY-MM') as year_month, sum(amount) as total_revenue, count(distinct order_id) as order_volume from online_sales group by to_char(order_date, 'YYYY-MM') order by year_month;
```

YEAR_MO	TOTAL_REVENUE	ORDER_VOLUME
2023-10	756	1
2024-01	300	1
2024-02	587	1
2024-03	675	1
2024-06	750	2
2024-08	647	1
2025-06	849	1
2025-07	754	1
2025-09	478	1

9 rows selected.

```
SQL> select to_char(order_date, 'YYYY-MM') as year_month, sum(amount) as total_revenue, count(distinct order_id) as order_volume from online_sales where order_date between to_date('01-JAN-2024', 'DD-MM-YYYY') and to_date('30-JUN-2024', 'DD-MM-YYYY') group by to_char(order_date, 'YYYY-MM') order by year_month;
```

YEAR_MO	TOTAL_REVENUE	ORDER_VOLUME
2024-01	300	1
2024-02	587	1
2024-03	675	1
2024-06	750	2

```
SQL> select to_char(order_date , 'YYYY-MM') as year_month, sum(amount) as total_revenue, count(distinct order_id) as order_volume from online_sales where to_char(order_date, 'YYYY-MM')='2024-06' group by to_char(order_date, 'YYYY-MM') order by year_month;
```

YEAR_MO	TOTAL_REVENUE	ORDER_VOLUME
2024-06	750	2