

C: &gt; Users &gt; Rithikkaa &gt; Downloads &gt; TASK 6.sql

```
1 CREATE DATABASE sales;
2 USE sales;
3 CREATE TABLE online_sales (
4     order_id INT PRIMARY KEY,
5     order_date DATE NOT NULL,
6     amount INT NOT NULL,
7     product_id INT NOT NULL
8 );
9 INSERT INTO online_sales (order_id, order_date, amount, product_id) VALUES
10 (1, TO_DATE('2024-01-15', 'YYYY-MM-DD'), 100.00, 101),
11 (2, TO_DATE('2024-01-20', 'YYYY-MM-DD'), 150.00, 102),
12 (3, TO_DATE('2024-02-05', 'YYYY-MM-DD'), 200.00, 103),
13 (4, TO_DATE('2024-02-28', 'YYYY-MM-DD'), 300.00, 104),
14 (5, TO_DATE('2024-03-01', 'YYYY-MM-DD'), 120.00, 101),
15 (6, TO_DATE('2024-03-18', 'YYYY-MM-DD'), 250.00, 105),
16 (7, TO_DATE('2024-03-21', 'YYYY-MM-DD'), 180.00, 106),
17 (8, TO_DATE('2024-04-01', 'YYYY-MM-DD'), 500.00, 107),
18 (9, TO_DATE('2024-04-15', 'YYYY-MM-DD'), 220.00, 101);
19 SELECT
20     EXTRACT(MONTH FROM order_date) AS order_month
21 FROM
22     online_sales;
23 SELECT
24     EXTRACT(YEAR FROM order_date) AS order_year,
25     EXTRACT(MONTH FROM order_date) AS order_month
26 FROM
27     online_sales
28 GROUP BY
29     EXTRACT(YEAR FROM order_date),
30     EXTRACT(MONTH FROM order_date);
31 SELECT
32     EXTRACT(YEAR FROM order_date) AS order_year,
33     EXTRACT(MONTH FROM order_date) AS order_month,
34     SUM(amount) AS total_revenue
35 FROM
36     online_sales
37 GROUP BY
```

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```
31  SELECT
32      |
33      |
34      SUM(amount) AS total_revenue
35  FROM
36      |
37      online_sales
38  GROUP BY
39      |
40      EXTRACT(YEAR FROM order_date),
41      EXTRACT(MONTH FROM order_date);
42  SELECT
43      |
44      EXTRACT(YEAR FROM order_date) AS order_year,
45      EXTRACT(MONTH FROM order_date) AS order_month,
46      COUNT(DISTINCT order_id) AS total_orders
47  FROM
48      |
49      online_sales
50  GROUP BY
51      |
52      EXTRACT(YEAR FROM order_date),
53      EXTRACT(MONTH FROM order_date);
54  SELECT
55      |
56      EXTRACT(YEAR FROM order_date) AS order_year,
57      EXTRACT(MONTH FROM order_date) AS order_month,
58      SUM(amount) AS total_revenue,
59      COUNT(DISTINCT order_id) AS total_orders
60  FROM
61      |
62      online_sales
63  GROUP BY
64      |
65      EXTRACT(YEAR FROM order_date),
66      EXTRACT(MONTH FROM order_date);
67  ORDER BY
68      |
69      order_year ASC,
70      order_month ASC;
71  SELECT
72      |
73      EXTRACT(YEAR FROM order_date) AS order_year,
74      EXTRACT(MONTH FROM order_date) AS order_month,
75      SUM(amount) AS total_revenue,
76      COUNT(DISTINCT order_id) AS total_orders
77  FROM
78      |
79      online_sales
80  WHERE
```

```
59 ORDER BY
60     order_year ASC,
61     order_month ASC;
62 SELECT
63     EXTRACT(YEAR FROM order_date) AS order_year,
64     EXTRACT(MONTH FROM order_date) AS order_month,
65     SUM(amount) AS total_revenue,
66     COUNT(DISTINCT order_id) AS total_orders
67 FROM
68     online_sales
69 WHERE
70     order_date BETWEEN TO_DATE('2024-01-01', 'YYYY-MM-DD') AND TO_DATE('2024-03-31', 'YYYY-MM-DD')
71 GROUP BY
72     EXTRACT(YEAR FROM order_date),
73     EXTRACT(MONTH FROM order_date)
74 ORDER BY
75     order_year,
76     order_month;
```

C: > Users > Rithikkaa > Downloads > ≡ TASK 6 OUTPUT.txt

```
1  Table ONLINE_SALES created.
2
3  Elapsed: 00:00:00.018
4
5  9 rows inserted.
6
7  Elapsed: 00:00:00.009
8  ORDER_MONTH
9  -----
10 1
11 1
12 2
13 2
14 3
15 3
16 3
17 4
18 4
19
20 Elapsed: 00:00:00.073
21 9 rows selected.
22
23 ORDER_YEAR ORDER_MONTH
24 -----
25 2024      1
26 2024      2
27 2024      3
28 2024      4
29
30 Elapsed: 00:00:00.084
31 4 rows selected.
32
33 ORDER_YEAR ORDER_MONTH TOTAL_REVENUE
34 -----
35 2024      1          250
36 2024      2          500
```

30 Elapsed: 00:00:00.084

31 4 rows selected.

32

33 ORDER\_YEAR ORDER\_MONTH TOTAL\_REVENUE

34 -----

35 2024 1 250

36 2024 2 500

37 2024 3 550

38 2024 4 720

39

40 Elapsed: 00:00:00.005

41 4 rows selected.

42

43 ORDER\_YEAR ORDER\_MONTH TOTAL\_ORDERS

44 -----

45 2024 1 2

46 2024 2 2

47 2024 3 3

48 2024 4 2

49

50 Elapsed: 00:00:00.006

51 4 rows selected.

52

53 ORDER\_YEAR ORDER\_MONTH TOTAL\_REVENUE TOTAL\_ORDERS

54 -----

55 2024 1 250 2

56 2024 2 500 2

57 2024 3 550 3

58 2024 4 720 2

59

60 Elapsed: 00:00:00.005

61 4 rows selected.

62

63 ORDER\_YEAR ORDER\_MONTH TOTAL\_REVENUE TOTAL\_ORDERS

64 -----

65 2024 1 250 2



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51 4 rows selected.

52

53 ORDER\_YEAR ORDER\_MONTH TOTAL\_REVENUE TOTAL\_ORDERS

54 -----

55 2024 1 250 2

56 2024 2 500 2

57 2024 3 550 3

58 2024 4 720 2

59

60 Elapsed: 00:00:00.005

61 4 rows selected.

62

63 ORDER\_YEAR ORDER\_MONTH TOTAL\_REVENUE TOTAL\_ORDERS

64 -----

65 2024 1 250 2

66 2024 2 500 2

67 2024 3 550 3

68

69 Elapsed: 00:00:00.006

70 3 rows selected.

71

72