

Queries and Results

1. Creating Table

```
1  # creating table
2  CREATE TABLE online_sales (
3      order_id VARCHAR(50) primary key,
4      customer_id VARCHAR(50),
5      order_date date,
6      amount DECIMAL(6, 2),
7      product_id VARCHAR(100)
8  );
9
10 # to show all the data present in the table created
```

Output

Action Output

#	Time	Action	Message
2	16:30:14	CREATE TABLE online_sales (order_id VARCHAR(50) primary key, customer_id VARCHAR(50), order_da...	0 row(s) affected

2. Table Values:

```
9
10 # to show all the data present in the table created
11 SELECT * FROM sourishdb.online_sales;
12
```

	order_id	customer_id	order_date	amount	product_id
▶	171-0125115-0251504	125115	2022-12-04	357.00	JNE2100-KR-144-XL
	171-0163677-1965150	163677	2022-12-04	518.00	J0117-TP-M
	171-0190504-4615525	190504	2022-11-04	899.00	SET341-KR-NP-XL
	171-0223976-9461113	223976	2022-12-04	333.00	JNE3431-KR-M
	171-0228693-4451506	228693	2022-12-04	563.00	SET291-KR-PP-XL
	171-0296282-8433917	296282	2022-12-04	1442.00	SAR013
	171-0305106-2384363	305106	2022-12-04	599.00	SAR004
	171-0395605-4197937	395605	2022-12-04	653.00	J0095-SET-S
	171-0442536-7993105	442536	2022-12-04	499.00	MEN5011-KR-L
	171-0453363-5226718	453363	2022-11-04	859.00	J0400-DR-M
	171-0767351-4049960	767351	2022-12-04	888.00	SET265-KR-NP-XL
	171-0776342-8366747	776342	2022-11-04	568.00	SET257-KR-PP-S
	171-0812377-2640321	812377	2022-12-04	692.00	SAR007

3. Monthly Revenue & Order Volume



```
12
13 # Monthly Revenue & Order Volume
14 • SELECT
15     YEAR(order_date) AS order_year,
16     MONTH(order_date) AS order_month,
17     SUM(amount) AS total_revenue,
18     COUNT(DISTINCT order_id) AS order_volume
19 FROM online_sales
20 GROUP BY order_year, order_month
21 ORDER BY order_year, order_month;
22
```

Result Grid |  Filter Rows: | Export:  | Wrap Cell Contents: 

	order_year	order_month	total_revenue	order_volume
▶	2022	11	240326.00	352
	2022	12	521070.00	751

4. Top Month by Revenue




```
22
23 # Top Month by Revenue
24 • SELECT
25     YEAR(order_date) AS order_year,
26     MONTH(order_date) AS order_month,
27     SUM(amount) AS total_revenue
28 FROM online_sales
29 GROUP BY order_year, order_month
30 ORDER BY total_revenue DESC;
31
```

Result Grid |  Filter Rows: | Export:  | Wrap Cell Content: 

	order_year	order_month	total_revenue
▶	2022	12	521070.00
	2022	11	240326.00

5. Total Orders by Customer




```
12
13 #Total Orders by Customers
14 • SELECT
15     customer_id,
16     COUNT(*) AS total_orders,
17     SUM(amount) AS total_spent
18 FROM online_sales
19 GROUP BY customer_id
20 ORDER BY total_spent DESC;
21
```

Result Grid |  Filter Rows: | Export:  | Wrap Cell Content: 

	customer_id	total_orders	total_spent
▶	3600740	1	1556.00
	7396160	1	1523.00
	1994630	1	1523.00
	2044365	1	1481.00
	2183842	1	1449.00
	296282	1	1442.00
	9396326	1	1442.00
	6445472	1	1442.00
	7238770	1	1442.00
	2072482	1	1432.00
	2374778	1	1432.00
	8275680	1	1364.00
	5372960	1	1362.00
	1301703	1	1354.00
	9419371	1	1349.00

6. Average Order Amount

```
22
23 # Average Order Amount
24 • SELECT
25     AVG(amount) AS average_order_amount
26 FROM online_sales;
27
```

Result Grid |  Filter Rows: | Export:  | Wrap Cell Content: 

	average_order_amount
▶	690.295558

7. Top 5 Products by Revenue

```
46 # Top 5 Products by Revenue
47 • SELECT
48     product_id,
49     COUNT(*) AS total_orders,
50     SUM(amount) AS revenue
51 FROM online_sales
52 GROUP BY product_id
53 ORDER BY revenue DESC
54 LIMIT 5;
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	product_id	total_orders	revenue
▶	J0339-DR-XXL	7	6026.00
	SET110-KR-PP-XS	7	5516.00
	SET268-KR-NP-L	7	5336.00
	SAR024	6	5247.00
	SET377-KR-NP-XS	5	5244.00

8. Orders in a Date Range

```
55
56 # Orders in a Date Range
57 • SELECT *
58 FROM online_sales
59 WHERE order_date BETWEEN '2022-12-01' AND '2022-12-15';
60
```

Result Grid



Filter Rows:

Edit:



Export/Import:

	order_id	customer_id	order_date	amount	product_id
▶	171-0125115-0251504	125115	2022-12-04	357.00	JNE2100-KR-144-XL
	171-0163677-1965150	163677	2022-12-04	518.00	J0117-TP-M
	171-0223976-9461113	223976	2022-12-04	333.00	JNE3431-KR-M
	171-0228693-4451506	228693	2022-12-04	563.00	SET291-KR-PP-XL
	171-0296282-8433917	296282	2022-12-04	1442.00	SAR013
	171-0305106-2384363	305106	2022-12-04	599.00	SAR004
	171-0395605-4197937	395605	2022-12-04	653.00	J0095-SET-S
	171-0442536-7993105	442536	2022-12-04	499.00	MEN5011-KR-L
	171-0767351-4049960	767351	2022-12-04	888.00	SET265-KR-NP-XL
	171-0812377-2640321	812377	2022-12-04	692.00	SAR007
	171-1002340-4588349	1002340	2022-12-04	442.00	SAR011
	171-1029312-3038738	1029312	2022-12-04	376.00	JNE1233-BLUE-KR-...
	171-1274138-4366747	1274138	2022-12-04	985.00	SET128-KR-DH-L
	171-1345584-0305913	1345584	2022-12-04	589.00	J0355-KR-XXL
	171-1641533-8921966	1641533	2022-12-04	453.00	SET261-KR-PP-S
	171-1845045-0161128	1845045	2022-12-04	495.00	NW003-TP-PJ-XL
	171-1853947-2973900	1853947	2022-12-04	790.00	SAR019
	171-1981568-5231569	1981568	2022-12-04	330.00	J0122-TP-S

9. Daily Sales Trend

```
60
61      # Daily Sales Trend
62 •    SELECT
63         order_date,
64         SUM(amount) AS daily_sales
65     FROM online_sales
66     GROUP BY order_date
67     ORDER BY order_date;
68
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	order_date	daily_sales
▶	2022-11-04	240326.00
	2022-12-04	521070.00