

```
1 • use sales;
2 • select * from customers;
3 • select * from date;
4 • select* from markets;
5 • select * from products;
6 • select * from transactions;
7
8 -- Total count of transaction
9 • select count(*) from sales.transactions;
```

10

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



count(*)
150283

```
11 -- First five records by transactions :
12 • SELECT * FROM sales.transactions limit 5;
```

Result Grid



Filter Rows:

Export:



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Fetch rows:



	product_code	customer_code	market_code	order_date	sales_qty	sales_amount	currency
▶	Prod001	Cus001	Mark001	2017-10-10	100	41241	INR
	Prod001	Cus002	Mark002	2018-05-08	3	-1	INR
	Prod002	Cus003	Mark003	2018-04-06	1	875	INR
	Prod002	Cus003	Mark003	2018-04-11	1	583	INR
	Prod002	Cus004	Mark003	2018-06-18	6	7176	INR

```

14  -- Display records of "Mark001"
15  •  SELECT * from sales.transactions where market_code="Mark001";
16
17

```

Result Grid



Filter Rows:

Export:



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Fetch rows:






	product_code	customer_code	market_code	order_date	sales_qty	sales_amount	currency
▶	Prod001	Cus001	Mark001	2017-10-10	100	41241	INR
	Prod013	Cus001	Mark001	2017-10-10	240	143560	INR
	Prod001	Cus001	Mark001	2017-10-10	100	41241	INR
	Prod013	Cus001	Mark001	2017-10-10	240	143560	INR
	Prod016	Cus001	Mark001	2018-06-28	187	115481	INR
	Prod020	Cus001	Mark001	2017-10-10	140	153019	INR
	Prod020	Cus001	Mark001	2017-10-25	47	51005	INR
	Prod020	Cus001	Mark001	2017-11-14	47	51005	INR
	Prod040	Cus001	Mark001	2018-01-05	240	168245	INR
	Prod040	Cus001	Mark001	2018-01-12	167	104648	INR
	Prod040	Cus001	Mark001	2018-01-15	240	168245	INR
	Prod040	Cus001	Mark001	2018-01-30	193	135532	INR
	Prod040	Cus001	Mark001	2018-02-12	40	28042	INR
	Prod040	Cus001	Mark001	2018-02-13	40	25116	INR

```
17      -- Display count of transactions where market_code is Mark001
18 •    SELECT count(*) from sales.transactions where market_code="Mark001";
19
```

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

	count(*)
▶	1035

```
19
20  -- Display how many transactions done in USD?
21 •  SELECT * FROM transactions WHERE currency="USD";
22
```




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

	product_code	customer_code	market_code	order_date	sales_qty	sales_amount	currency
▶	Prod003	Cus005	Mark004	2017-11-20	59	500	USD
	Prod003	Cus005	Mark004	2017-11-22	36	250	USD


```

22
23 -- How many transactions happened in 2020 ?
24 • SELECT *
25 FROM transactions AS t
26 INNER JOIN dates AS d ON t.order_date = d.date;
27
28 • SELECT *
29 FROM transactions AS t
30 INNER JOIN dates AS d ON t.order_date = d.date
31 WHERE YEAR(d.date) = 2020;
32

```

Result Grid  Filter Rows: Export:  Wrap Cell Content: IA Fetch rows: 												
	product_code	customer_code	market_code	order_date	sales_qty	sales_amount	currency	date	cy_date	year	month_name	date_yy_mmm
	Prod005	Cus007	Mark004	2020-04-14	4	2694	INR	2020-04-14	2020-04-01	2020	April	20-Apr
	Prod005	Cus007	Mark004	2020-04-20	1	102	INR	2020-04-20	2020-04-01	2020	April	20-Apr
	Prod005	Cus007	Mark004	2020-05-15	2	528	INR	2020-05-15	2020-05-01	2020	May	20-May
	Prod011	Cus016	Mark002	2020-06-12	1	1028	INR	2020-06-12	2020-06-01	2020	June	20-Jun
	Prod011	Cus016	Mark002	2020-06-16	1	514	INR	2020-06-16	2020-06-01	2020	June	20-Jun
	Prod018	Cus025	Mark002	2020-01-02	5	10495	INR	2020-01-02	2020-01-01	2020	January	20-Jan
	Prod018	Cus022	Mark002	2020-01-07	4	9190	INR	2020-01-07	2020-01-01	2020	January	20-Jan
	Prod018	Cus024	Mark002	2020-01-07	1	338	INR	2020-01-07	2020-01-01	2020	January	20-Jan
	Prod018	Cus022	Mark002	2020-01-07	27	56537	INR	2020-01-07	2020-01-01	2020	January	20-Jan
	Prod018	Cus022	Mark002	2020-01-08	3	6125	INR	2020-01-08	2020-01-01	2020	January	20-Jan
	Prod018	Cus025	Mark002	2020-01-08	14	31486	INR	2020-01-08	2020-01-01	2020	January	20-Jan
	Prod018	Cus022	Mark002	2020-01-09	5	12250	INR	2020-01-09	2020-01-01	2020	January	20-Jan
	Prod018	Cus022	Mark002	2020-01-10	3	6125	INR	2020-01-10	2020-01-01	2020	January	20-Jan
	Prod018	Cus024	Mark002	2020-01-14	1	1019	INR	2020-01-14	2020-01-01	2020	January	20-Jan
	Prod018	Cus022	Mark002	2020-01-14	13	28269	INR	2020-01-14	2020-01-01	2020	January	20-Jan
	Prod018	Cus022	Mark002	2020-01-16	4	9190	INR	2020-01-16	2020-01-01	2020	January	20-Jan

Result 11 ×

```
32
33 -- Total sales_amount in 2020 :
34 • SELECT SUM(t.sales_amount) AS total_sales_amount
35 FROM transactions AS t
36 INNER JOIN dates AS d ON t.order_date = d.date
37 WHERE YEAR(d.date) = 2020;
38
39
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	total_sales_amount
▶	142235559

```
38
39  -- Total sales_amount in 2020 in chennai (mark001):
40 •  SELECT SUM(t.sales_amount) AS total_sales_amount
41     FROM transactions AS t
42     INNER JOIN dates AS d ON t.order_date = d.date
43     WHERE YEAR(d.date) = 2020 AND market_code="Mark001";
44
```

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

	total_sales_amount
▶	2463024


```
45
46 -- What is the total sales amount by currency?
47 • SELECT currency, SUM(sales_amount) AS total_sales_amount
48 FROM transactions
49 GROUP BY currency;
```

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

	currency	total_sales_amount
▶	INR	1751554
	USD	750
	INR	984812712
	USD	750

```
50
51 -- What is the total sales quantity by product type?
52 • SELECT p.product_type, SUM(t.sales_qty) AS total_sales_quantity
53 FROM transactions t
54 JOIN products p ON t.product_code = p.product_code
55 GROUP BY p.product_type;
56
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	product_type	total_sales_quantity
▶	Own Brand	1524568
	Distribution	499639

```
--  
57 -- What is the total sales amount by customer type?  
58 • SELECT c.customer_type, SUM(t.sales_amount) AS total_sales_amount  
59 FROM transactions t  
60 JOIN customers c ON t.customer_code = c.customer_code  
61 GROUP BY c.customer_type;  
62
```

Result Grid



Filter Rows:

Export:



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	customer_type	total_sales_amount
▶	Brick & Mortar	746198243
	E-Commerce	240367523

```
62
63  -- Find the top 5 customers with the highest total sales amount:
64  •  SELECT
65      customer_code,
66      SUM(sales_amount) AS total_sales_amount
67  FROM
68      transactions
69  GROUP BY
70      customer_code
71  ORDER BY
72      total_sales_amount DESC
73  LIMIT 5;
74
```

Result Grid



Filter Rows:

Export:



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Fetch rows:



	customer_code	total_sales_amount
►	Cus006	413905769
	Cus022	49644189
	Cus003	49175285
	Cus005	45258250
	Cus020	43916981

```

90  -- What is the total sales amount by market name?
91  •  SELECT m.markets_name, SUM(t.sales_amount) AS total_sales_amount
92  FROM transactions t
93  JOIN markets m ON t.market_code = m.markets_code
94  GROUP BY m.markets_name;
95

```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	markets_name	total_sales_amount
►	Chennai	18227503
	Mumbai	150180636
	Ahmedabad	132526737
	Delhi NCR	520721134
	Kanpur	13583923
	Bengaluru	373115
	Bhopal	58654055
	Lucknow	3094007
	Patna	4428393
	Kochi	18813466
	Nagpur	55026321
	Surat	2605796
	Hyderabad	7436823
	Bhubaneshwar	893857

```

96  -- What is the total sales quantity by month?
97  •  SELECT d.month_name, SUM(t.sales_qty) AS total_sales_quantity
98      FROM transactions t
99      JOIN dates d ON t.order_date = d.date
100     GROUP BY d.month_name;

```


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

	month_name	total_sales_quantity
▶	October	213515
	May	212037
	April	221848
	June	180888
	November	243252
	December	196466
	August	182801
	July	173310
	September	142232
	January	223369
	February	221790
	March	232907


```

102      -- Retrieve the total sales amount for each product:
103  •    SELECT product_code, SUM(sales_amount) AS total_sales_amount
104      FROM transactions
105      GROUP BY product_code ORDER BY total_sales_amount desc;
106

```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 

	product_code	total_sales_amount
▶	Prod318	68967202
	Prod316	60883452
	Prod324	41455364
	Prod329	34381481
	Prod334	31468996
	Prod332	26594157
	Prod040	23581969
	Prod319	22188881
	Prod304	17873777
	Prod159	17660106
	Prod339	17614884
	Prod310	16472242
	Prod065	16259345
	Prod326	16233500
	Prod018	15597920
	Prod053	15135392
	Prod306	13734633
	Prod090	13418817
	Prod060	12888932

```
124 -- Retrieve the number of transactions for each day of the week:
125 • SELECT DAYOFWEEK(order_date) AS day_of_week, COUNT(*) AS transaction_count
126 FROM transactions
127 GROUP BY day_of_week;
```

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

	day_of_week	transaction_count
▶	3	29486
	6	35293
	4	29022
	2	26346
	5	29598
	7	408
	1	130

```
130 -- Retrieve the total sales amount and quantity for each day
131 • SELECT DATE_FORMAT(order_date, '%M') AS month, SUM(sales_amount)
132 FROM transactions
133 GROUP BY month;
134
135
136
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	month	SUM(sales_amount)
▶	October	80805648
	May	83613171
	April	88838211
	June	75055812
	November	93309363
	December	84820144
	August	71671699
	July	71420820
	September	55164102
	January	99713214
	February	89374095
	March	92779487

136

137 -- Retrieve the total sales amount and quantity for each day:

138 • SELECT DATE(order_date) AS days, SUM(sales_qty) AS total_sales_qty, SUM(sales_amount) AS total_sales_amount

139 FROM transactions

140 GROUP BY days ORDER BY total_sales_amount desc;

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



Fetch rows:



	days	total_sales_qty	total_sales_amount
►	2018-01-30	6951	4993154
	2018-12-14	10492	4835494
	2018-03-23	6479	4802266
	2018-01-19	5238	4556269
	2019-02-08	4963	4292000
	2018-02-28	6186	4152420
	2020-02-28	8963	4012291
	2020-04-16	4997	3859170
	2018-12-06	4289	3854810
	2019-08-16	8004	3726800
	2017-10-13	5489	3718794
	2018-06-22	5611	3624142
	2020-01-10	4381	3579379
	2019-01-18	3801	3517299
	2018-08-03	5743	3511527
	2018-03-16	6219	3372090
	2018-01-15	3903	3335700
	2018-11-16	3630	3315883
	2018-05-04	14528	3278631

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