

Query 1

MySQL Workbench

Task-6 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- abhi
- amazon
- bike_sales_db
 - Tables
 - Views
 - Stored Procedures
 - Functions
- college
- ecommerce_orders
- sys
- task
 - Tables
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

Query 1 x

Limit to 1000 rows

```
7
8 -- a. Use EXTRACT(MONTH FROM order_date) for month
9 -- b. GROUP BY year/month
10 -- c. Use SUM() for revenue
11 -- d. COUNT(DISTINCT order_id) for volume
12 -- e. Use ORDER BY for sorting
13 -- f. Limit results for specific time periods
14
15 -- Extract Month and Year from Date
16 • SELECT
17   EXTRACT(YEAR FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS year,
18   EXTRACT(MONTH FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS month
19 FROM bike_sales;
```

Result Grid

	year	month
▶	2022	7
	2024	5
	2022	9
	2022	9
	2021	1
	2021	9
	2020	6
	2021	8
	2020	10
	2023	3
	2022	8
	2022	4

Result 5 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 10	20:45:31	SELECT EXTRACT(YEAR FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS year, EXTRACT(MONTH FROM...	3 row(s) returned	0.000 sec / 0.000 sec

Query 2

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Administration Schemas

Information

No object selected

Query 1 x

Limit to 1000 rows

```
16 • SELECT
17     EXTRACT(YEAR FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS year,
18     EXTRACT(MONTH FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS month
19 FROM bike_sales;
20
21 -- Calculate Monthly Revenue
22 • SELECT
23     EXTRACT(YEAR FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS year,
24     EXTRACT(MONTH FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS month,
25     SUM(Sales) AS total_revenue
26 FROM bike_sales
27 GROUP BY year, month;
28
```

Result Grid

	year	month	total_revenue
▶	2022	7	133846.22000000003
	2024	5	178829.56
	2022	9	191864.61000000002
	2021	1	104863.27
	2021	9	124396.11999999998
	2020	6	114630.9
	2021	8	225885.83000000002
	2020	10	176592.15
	2023	3	118706.57000000002
	2022	8	164310.88
	2022	4	124520.84
	2021	4	66065.98

Result 7 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 12	21:29:04	SELECT	EXTRACT(YEAR FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS year, EXTRACT(MONTH FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS month, SUM(Sales) AS total_revenue FROM bike_sales GROUP BY year, month	937 row(s) returned 0.000 sec / 0.000 sec

Query 3

MySQL Workbench

Task-6 x

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Administration Schemas Information

No object selected

Query 1 x

Limit to 1000 rows

```
24 EXTRACT(MONTH FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS month,
25 SUM(Sales) AS total_revenue
26 FROM bike_sales
27 GROUP BY year, month;
28
29 -- Calculate Monthly Order Volume
30
31 SELECT
32   EXTRACT(YEAR FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS year,
33   EXTRACT(MONTH FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS month,
34   COUNT(DISTINCT Sale_ID) AS order_volume
35 FROM bike_sales
36 GROUP BY year, month;
```

Result Grid

year	month	order_volume
2020	9	12
2020	10	24
2020	11	8
2020	12	18
2021	1	17
2021	2	14
2021	3	15
2021	4	8
2021	5	13
2021	6	22
2021	7	20
2021	8	22

Result 8 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
13	21:29:11	SELECT	EXTRACT(YEAR FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS year, EXTRACT(MONTH FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS month, COUNT(DISTINCT Sale_ID) AS order_volume FROM bike_sales GROUP BY year, month;	57 row(s) returned 0.000 sec / 0.000 sec

Query 4

MySQL Workbench

Task-6 x

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No object selected

Query 1 x

```
35 GROUP BY year, month;
36
37 -- Monthly Revenue + Volume with Date Filter
38 SELECT
39     EXTRACT(YEAR FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS year,
40     EXTRACT(MONTH FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS month,
41     SUM(Sales) AS total_revenue,
42     COUNT(DISTINCT Sale_ID) AS order_volume
43 FROM bike_sales
44 WHERE STR_TO_DATE(Date, '%d-%m-%Y') BETWEEN '2021-01-01' AND '2023-12-31'
45 GROUP BY year, month
46 ORDER BY year, month;
47
```

Result Grid

year	month	total_revenue	order_volume
2021	1	104863.27	17
2021	2	98440.90999999997	14
2021	3	147893.12	15
2021	4	66065.98	8
2021	5	96195.83999999998	13
2021	6	127114.39	22
2021	7	164139.57000000004	20
2021	8	225885.83000000002	22
2021	9	124396.11999999998	16
2021	10	97021.32999999999	16
2021	11	174423.05	18
2021	12	136598.34999999998	16

Result 9 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
14	21:30:33	SELECT	EXTRACT(YEAR FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS year, EXTRACT(MONTH FROM...	57 row(s) returned 0.015 sec / 0.000 sec

Query 5

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Task-6 x

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Information

No object selected

Query 1 x

Limit to 1000 rows

```
45 GROUP BY year, month
46 ORDER BY year, month;
47
48 -- Top 3 Months by Revenue
49 • SELECT
50   EXTRACT(YEAR FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS year,
51   EXTRACT(MONTH FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS month,
52   SUM(Sales) AS total_revenue
53 FROM bike_sales
54 GROUP BY year, month
55 ORDER BY total_revenue DESC
56 LIMIT 3;
57
```

Result Grid

year	month	total_revenue
2023	1	242329.68
2021	8	225885.83000000002
2022	12	202868.69999999998

Result 10 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
15	21:33:00	SELECT	EXTRACT(YEAR FROM STR_TO_DATE(Date, '%d-%m-%Y')) AS year, EXTRACT(MONTH FROM...	36 row(s) returned 0.000 sec / 0.000 sec