

violations - Excel (Product Activation Failed)

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Clipboard Font Alignment Number Styles Cells Editing

Calibri 11 A A Wrap Text General Conditional Formatting Format as Table Cell Styles Insert Delete Format Sort & Find & Filter Select

A1 violation_id

	A	B	C	D	E	F	G	H	I	J	K
1	violation_id	vehicle_id	violation_type	fine_amount	violation_date	location_id					
2	V001	V101	Signal Jumping	1000	01-06-2023	L001					
3	V002	V102	Over Speeding	2000	02-06-2023	L002					
4	V003	V103	No Helmet	500	03-06-2023	L001					
5	V004	V101	Wrong Parking	800	05-06-2023	L003					
6	V005	V104	Over Speeding	2000	06-06-2023	L002					
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											

violations

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locations - Excel (Product Activation Failed)

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Calibri 11 Wrap Text General Conditional Formatting Table Styles Insert Delete Sort & Find & Filter Select

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	location_id	area_name	zone	traffic_density											
2	L001	Andheri West	West	High											
3	L002	Connaught Place	Central	Very High											
4	L003	Indiranagar	East	Medium											
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															

locations

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vehicles - Excel (Product Activation Failed)

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Calibri 11 A A Wrap Text General Conditional Formatting Format as Table Cell Styles Insert Delete Format Sort & Find & Filter Select

C1 registration_city

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	vehicle_id	vehicle_type	registration_city											
2	V101	Bike	Mumbai											
3	V102	Car	Delhi											
4	V103	Bike	Bangalore											
5	V104	Truck	Chennai											
6														
7														
8														
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17														

vehicles

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accidents - Excel (Product Activation Failed)

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Calibri 11 A A Wrap Text General Conditional Formatting Format as Table Cell Styles Insert Delete Format Sort & Find & Filter Select

C10

	A	B	C	D	E	F	G	H
1	accident_id	vehicle_id	accident_date	location_id	severity			
2	A001	V101	02-06-2023	L001	Major			
3	A002	V102	04-06-2023	L002	Minor			
4	A003	V104	06-06-2023	L002	Fatal			
5								
6								
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accidents

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MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQL File 7* SQL File 4* SQL File 4* x

Limit to 1000 rows

```
51 • INSERT INTO accidents VALUES
52 ('A001','V101','2023-06-02','L001','Major'),
53 ('A002','V102','2023-06-04','L002','Minor'),
54 ('A003','V104','2023-06-06','L002','Fatal');
55 • SELECT * FROM violations;
```

Result Grid

violation_id	vehicle_id	violation_type	fine_amount	violation_date	location_id
V001	V101	Signal Jumping	1000	2023-06-01	L001
V002	V102	Over Speeding	2000	2023-06-02	L002
V003	V103	No Helmet	500	2023-06-03	L001
V004	V101	Wrong Parking	800	2023-06-05	L003
V005	V104	Over Speeding	2000	2023-06-06	L002

violations 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
12	10:42:56	INSERT INTO accidents VALUES ('A001','V101','2023-06-02','L001','Major'), ('A002','...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.156 sec
13	10:43:03	SELECT * FROM violations LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQL File 7* SQL File 4* SQL File 4* x

Limit to 1000 rows

```
52 ('A001','V101','2023-06-02','L001','Major'),
53 ('A002','V102','2023-06-04','L002','Minor'),
54 ('A003','V104','2023-06-06','L002','Fatal');
55 • SELECT * FROM violations;
56 • SELECT * FROM accidents;
```

Result Grid

accident_id	vehicle_id	accident_date	location_id	severity
A001	V101	2023-06-02	L001	Major
A002	V102	2023-06-04	L002	Minor
A003	V104	2023-06-06	L002	Fatal

accidents 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
13	10:43:03	SELECT * FROM violations LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
14	10:47:30	SELECT * FROM accidents LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQL File 7* SQL File 4* SQL File 4* x

Limit to 1000 rows

```
55 • SELECT * FROM violations;
56 • SELECT * FROM accidents;
57 • SELECT * FROM vehicles;
58 • SELECT * FROM locations;
59 • SELECT COUNT(*) AS total_violations
```

Result Grid

vehicle_id	vehicle_type	registration_city
V101	Bike	Mumbai
V102	Car	Delhi
V103	Bike	Bangalore
V104	Truck	Chennai

vehicles 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
14	10:47:30	SELECT * FROM accidents LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
15	10:48:01	SELECT * FROM vehicles LIMIT 0, 1000	4 row(s) returned	0.016 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQL File 7* SQL File 4* SQL File 4* x

Limit to 1000 rows

```
55 • SELECT * FROM violations;
56 • SELECT * FROM accidents;
57 • SELECT * FROM vehicles;
58 • SELECT * FROM locations;
59 • SELECT COUNT(*) AS total_violations
```

Result Grid

location_id	area_name	zone	traffic_density
L001	Andheri West	West	High
L002	Connaught Place	Central	Very High
L003	Indiranagar	East	Medium

locations 4 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
15	10:48:01	SELECT * FROM vehicles LIMIT 0, 1000	4 row(s) returned	0.016 sec / 0.000 sec
16	10:50:04	SELECT * FROM locations LIMIT 0, 1000	3 row(s) returned	0.016 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQL File 7* SQL File 4* SQL File 4* x

Limit to 1000 rows

```
58 • SELECT * FROM locations;
59 • SELECT COUNT(*) AS total_violations
60 FROM violations;
61 • SELECT SUM(fine_amount) AS total_fine_collected
62 FROM violations;
```

Result Grid

total_violations

5

Result 5 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
16	10:50:04	SELECT * FROM locations LIMIT 0, 1000	3 row(s) returned	0.016 sec / 0.000 sec
17	10:50:34	SELECT COUNT(*) AS total_violations FROM violations LIMIT 0, 1000	1 row(s) returned	0.016 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQL File 7* SQL File 4* SQL File 4* x

Limit to 1000 rows

```
58 • SELECT * FROM locations;
59 • SELECT COUNT(*) AS total_violations
60 FROM violations;
61 • SELECT SUM(fine_amount) AS total_fine_collected
62 FROM violations;
```

Result Grid

total_fine_collected

6300

Result 6 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
17	10:50:34	SELECT COUNT(*) AS total_violations FROM violations LIMIT 0, 1000	1 row(s) returned	0.016 sec / 0.000 sec
18	10:51:03	SELECT SUM(fine_amount) AS total_fine_collected FROM violations LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQL File 7* SQL File 4* SQL File 4* x

Limit to 1000 rows

```
61 • SELECT SUM(fine_amount) AS total_fine_collected
62 FROM violations;
63 • SELECT violation_type, COUNT(*) AS count
64 FROM violations
65 GROUP BY violation_type
```

Result Grid

violation_type	count
Over Speeding	2
Signal Jumping	1
No Helmet	1
Wrong Parking	1

Result 7 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
19	10:51:27	SELECT violation_type, COUNT(*) AS count FROM violations LIMIT 0, 1000	Error Code: 1140. In aggregated query without GROUP BY, expression #1 of SELECT...	0.078 sec
20	10:51:51	SELECT violation_type, COUNT(*) AS count FROM violations GROUP BY violation_t...	4 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQL File 7* SQL File 4* SQL File 4* x

Limit to 1000 rows

```
73 LEFT JOIN accidents a ON l.location_id = a.location_id
74 GROUP BY l.area_name
75 ORDER BY total_accidents DESC;
76 • SELECT
77     ve.vehicle_type,
```

Result Grid

area_name	total_violations	total_accidents
Connaught Place	2	2
Andheri West	2	1
Indiranagar	1	0

Result 8 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
20	10:51:51	SELECT violation_type, COUNT(*) AS count FROM violations GROUP BY violation_t...	4 row(s) returned	0.000 sec / 0.000 sec
21	10:52:34	SELECT l.area_name, COUNT(DISTINCT v.violation_id) AS total_violations, ...	3 row(s) returned	0.047 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

SQL File 7* SQL File 4* SQL File 4*

Limit to 1000 rows

```

81 GROUP BY ve.vehicle_type;
82 • SELECT severity, COUNT(*) AS count
83 FROM accidents
84 GROUP BY severity;
85 • SELECT

```

Result Grid

vehicle_type	violation_count
Bike	3
Car	1
Truck	1

Result 9

Output

Action Output

#	Time	Action	Message	Duration / Fetch
21	10:52:34	SELECT l.area_name, COUNT(DISTINCT v.violation_id) AS total_violations, ...	3 row(s) returned	0.047 sec / 0.000 sec
22	10:53:27	SELECT ve.vehicle_type, COUNT(v.violation_id) AS violation_count FROM viol...	3 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

SQL File 7* SQL File 4* SQL File 4*

Limit to 1000 rows

```

81 GROUP BY ve.vehicle_type;
82 • SELECT severity, COUNT(*) AS count
83 FROM accidents
84 GROUP BY severity;
85 • SELECT

```

Result Grid

severity	count
Major	1
Minor	1
Fatal	1

Result 10

Output

Action Output

#	Time	Action	Message	Duration / Fetch
22	10:53:27	SELECT ve.vehicle_type, COUNT(v.violation_id) AS violation_count FROM viol...	3 row(s) returned	0.000 sec / 0.000 sec
23	10:53:57	SELECT severity, COUNT(*) AS count FROM accidents GROUP BY severity LIMIT 0...	3 row(s) returned	0.016 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQL File 7* SQL File 4* SQL File 4* x

Limit to 1000 rows

```

87     COUNT(*) AS total_violations
88 FROM violations
89 GROUP BY month
90 ORDER BY month;
91 • SELECT

```

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

	month	total_violations
▶	6	5

Result 11 x

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQL File 7* SQL File 4* SQL File 4* x

Limit to 1000 rows

```

95 FROM locations l
96 LEFT JOIN violations v ON l.location_id = v.location_id
97 LEFT JOIN accidents a ON l.location_id = a.location_id
98 GROUP BY l.zone;
99 • SELECT DISTINCT v.vehicle_id

```

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

	zone	violations	accidents
▶	Central	2	2
	East	1	0
	West	2	1

Result 12 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
24	10:54:35	SELECT MONTH(violation_date) AS month, COUNT(*) AS total_violations FRO...	1 row(s) returned	0.000 sec / 0.000 sec
25	10:55:28	SELECT l.zone, COUNT(DISTINCT v.violation_id) AS violations, COUNT(DI...	3 row(s) returned	0.000 sec / 0.000 sec

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MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQL File 7* SQL File 4* SQL File 4* x

Limit to 1000 rows

```
97 LEFT JOIN accidents a ON l.location_id = a.location_id
98 GROUP BY l.zone;
99 • SELECT DISTINCT v.vehicle_id
100 FROM violations v
101 JOIN accidents a ON v.vehicle_id = a.vehicle_id;
```

Result Grid

vehicle_id
V101
V102
V104

Result 13 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
25	10:55:28	SELECT l.zone, COUNT(DISTINCT v.violation_id) AS violations, COUNT(DI...	3 row(s) returned	0.000 sec / 0.000 sec
26	10:56:05	SELECT DISTINCT v.vehicle_id FROM violations v JOIN accidents a ON v.vehicle_id...	3 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQL File 7* SQL File 4* SQL File 4* x

Limit to 1000 rows

```
102 • SELECT location_id, COUNT(*) AS accident_count
103 FROM accidents
104 GROUP BY location_id
105 HAVING accident_count > 1;
106
```

Result Grid

location_id	accident_count
L002	2

Result 14 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
26	10:56:05	SELECT DISTINCT v.vehicle_id FROM violations v JOIN accidents a ON v.vehicle_id...	3 row(s) returned	0.000 sec / 0.000 sec
27	10:56:36	SELECT location_id, COUNT(*) AS accident_count FROM accidents GROUP BY loc...	1 row(s) returned	0.031 sec / 0.000 sec



