

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

- homework_13-04-23
- homework_2
- homework_3
- homework_4
- homework_5
 - Tables
 - cars
 - Views
 - Stored Procedures
 - Functions
 - sys
 - world

Query 1

```
1 • USE homework_5;
2
3 • CREATE TABLE Cars
4   (id SERIAL PRIMARY KEY,
5    Name VARCHAR(255) NOT NULL,
6    Cost INT DEFAULT 0
7   );
8
9 • INSERT INTO cars(Name, Cost)
10  VALUES
11  ('Audi', 52642), ('Mercedes', 57127), ('Skoda', 8900), ('Volvo', 29000), ('Bentley', 350000),
12  ('Citroen', 21000), ('Hummer', 41400), ('Volkswagen', 21600);
13
14 • DROP VIEW Cars1;
15
16 • CREATE VIEW Cars1 AS
17  SELECT id, Name, Cost
18  FROM Cars
19  WHERE Cost > 25000;
20
21 • SELECT * FROM Cars1;
22
```

Result Grid

	id	Name	Cost
1	1	Audi	52642
2	2	Mercedes	57127
4	4	Volvo	29000
5	5	Bentley	350000
7	7	Hummer	41400

Administration Schemas

Information

No object selected

Cars1 15 x

Output

Action Output

Time	Action	Message	Duration / Feat
33 12:21:44	CREATE VIEW Cars1 AS SELECT id, Name, Cost FROM Cars WHERE Cost > 25000	0 row(s) affected	0.015 sec
34 12:21:47	SELECT * FROM Cars1 LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

12:22 02.05.2023

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SCHEMAS

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Query 1

```
8 * INSERT INTO cars(Name, Cost)
9 VALUES
10 ('Audi', 52642), ('Mercedes', 57127), ('Skoda', 8000), ('Volvo', 29000), ('Bentley', 350000),
11 ('Citroen', 21000), ('Hummer', 41400), ('Volkswagen', 21600);
12
13
14 * DROP VIEW Cars1;
15
16 * CREATE VIEW Cars1 AS
17 SELECT id, Name, Cost
18 FROM Cars
19 WHERE Cost > 25000;
20
21 * SELECT * FROM Cars1;
22
23 * ALTER VIEW Cars1 AS
24 SELECT id, Name, Cost
25 FROM Cars
26 WHERE Cost > 30000;
27
28 * SELECT * FROM Cars1;
29
```

Result Grid

	id	Name	Cost
1	1	Audi	52642
2	2	Mercedes	57127
3	3	Bentley	350000
4	4	Hummer	41400

Administration Schemas

Information

No object selected

Output

Read Only

Action Output

Time	Action	Message	Duration / Rows
35 12:22:29	ALTER VIEW Cars1 AS SELECT id, Name, Cost FROM Cars WHERE Cost > 30000	0 row(s) affected	0.016 sec
36 12:22:32	SELECT * FROM Cars1 LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

12:22 02.05.2023

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Query 1

```
17 SELECT id, Name, Cost
18 FROM Cars
19 WHERE Cost > 25000;
20
21 * SELECT * FROM Cars1;
22
23 * ALTER VIEW Cars1 AS
24 SELECT id, Name, Cost
25 FROM Cars
26 WHERE Cost > 30000;
27
28 * SELECT * FROM Cars1;
29
30 * DROP VIEW Cars2;
31
32 * CREATE VIEW Cars2 AS
33 SELECT id, Name, Cost
34 FROM Cars
35 WHERE Name = 'Skoda' OR Name = 'Audi';
36
37 * SELECT * FROM Cars2;
```

Result Grid

id	Name	Cost
1	Audi	53642
3	Skoda	9000

Administration Schemas

Information

No object selected

Output

Car2 15 x

Read Only

Time	Action	Message	Duration / Rows
38 12:22:46	CREATE VIEW Cars2 AS SELECT id, Name, Cost FROM Cars WHERE Name = 'Skoda' OR Name = 'Audi'	0 row(s) affected	0.015 sec
39 12:22:48	SELECT * FROM Cars2 LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

12:22 02.05.2023

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SCHEMAS

Filter objects

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 - Functions
- sevilla
- sys
- world

Query 1

```
73 ord_an INT
74 -- FOREIGN KEY (ord_an) REFERENCES Analysis(an_id)
75 }
76
77 * INSERT INTO Orders(ord_datatime, ord_an)
78 VALUES
79 (20200202103722, 2), (202002021103444, 1), (20200210153755, 4), (20200224112734, 1),
80 (20200217170011, 3), (20200227115633, 5);
81
82 * DROP VIEW Test;
83
84 * CREATE VIEW Test AS
85 SELECT an_name, an_price
86 FROM Analysis
87 WHERE an_id = (SELECT ord_an
88 FROM Orders
89 WHERE ord_datatime
90 BETWEEN '20200205000000' AND '20200211000000');
91
92 * SELECT * FROM Test;
93
```

Result Grid

an_name	an_price
no name	100

Administration Schemas

Information

No object selected

Test 1 x

Read Only

Output

Action Output

Time	Action	Message	Duration / Rows
12 16:14:01	SELECT * FROM homework_5.analysis LIMIT 0, 1000	13 row(s) returned	0.000 sec / 0.000 sec
13 16:14:07	SELECT * FROM homework_5.orders LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

16:15 02.05.2023

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filter objects

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 - Functions
 - schemas
 - sys
 - world

Query

```
91
92 * SELECT * FROM Trains;
93
94 * CREATE TABLE Trains
95 (
96   train_id INT NOT NULL,
97   station VARCHAR(20) NOT NULL,
98   station_time TIME NOT NULL,
99 )
100
101 * INSERT INTO Trains(train_id, station, station_time)
102 VALUES
103 (110, 'San Francisco', 100000), (110, 'Redwood City', 105400),
104 (110, 'Palo Alto', 110200), (110, 'San Jose', 123500),
105 (120, 'San Francisco', 110000), (120, 'Palo Alto', 124900),
106 (120, 'San Jose', 133000);
107
108 * SELECT *,
109 TIMEDIFF(LEAD(station_time, 1, 'end')
110 OVER(PARTITION BY train_id ORDER BY station_time), station_time)
111 AS time_to_next_station_interval
112 FROM Trains;
```

Result Grid

train_id	station	station_time	time_to_next_station_interval
110	San Francisco	10:00:00	00:54:00.000000
110	Redwood City	10:54:00	00:48:00.000000
110	Palo Alto	11:02:00	01:33:00.000000
110	San Jose	12:35:00	00:00:00.000000
120	San Francisco	11:00:00	01:49:00.000000
120	Palo Alto	12:49:00	00:41:00.000000
120	San Jose	13:30:00	00:00:00.000000

Output

22 10:02:31 SELECT *, TRUNC(TIMEDIFF(LEAD(station_time, 1, 'end') OVER(PARTITION BY train_id ORDER BY station_time), station_time), 'M') AS time_to_ne... Error Code: 1305. FUNCTION homework_5.TRUNC does not exist. Duration: 0.000 sec

23 10:02:24 SELECT *, TIMEDIFF(LEAD(station_time, 1, 'end') OVER(PARTITION BY train_id ORDER BY station_time), station_time) AS time_to_next_station_int... 7 row(s) returned. Duration: 0.000 sec / 0.000 sec