

MySQL Workbench

Local instance MySQL80 ×

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SQl hex 3(2) HEX 2* pthon sql 1 pthon sql 2 sql 1 SQL File 7* ×

Navigator

SCHEMAS

Filter objects

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Views

Stored Procedures

Functions

petpalsdb

sakila

sisdb

Tables

Administration Schemas

No object selected

1

2 • CREATE DATABASE CarRentalDB;

3 • USE CarRentalDB;

4

5

6 • CREATE TABLE Vehicle (

7 vehicleID INT PRIMARY KEY,

8 make VARCHAR(50),

9 model VARCHAR(50),

10 year INT,

11 dailyRate DECIMAL(8, 2),

12 status VARCHAR(15),

13 passengerCapacity INT,

14 engineCapacity INT

15);

16

17 • CREATE TABLE Customer (

18 customerID INT PRIMARY KEY,

19 firstName VARCHAR(50),

20 lastName VARCHAR(50),

21 email VARCHAR(100).

Output

Action Output

#	Time	Action	Message	Duration / Fetch
94	11:58:50	INSERT INTO Lease VALUES (1, 1, 1, '2023-01-01', '2023-01-01', 'Daily'), (2, 2, 2, '2023-01-01', '2023-01-01', 'Daily')	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.015 sec
95	11:58:50	INSERT INTO Payment VALUES (1, 1, '2023-01-03', 900.00), (2, 2, '2023-02-20', 1000.00)	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec

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SQLEdit Schema View Table Functions Procedures Triggers Scripts SQL File

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No object selected

hex 3(2) HEX 2* pthon sql 1 pthon sql 2 sql 1 SQL File 7* ×

Limit to 1000 rows

22 phoneNumber VARCHAR(20)
23);
24
25 • Ⓜ CREATE TABLE Lease (
26 leaseID INT PRIMARY KEY,
27 vehicleID INT,
28 customerID INT,
29 startDate DATE,
30 endDate DATE,
31 leaseType VARCHAR(20),
32 FOREIGN KEY (vehicleID) REFERENCES Vehicle(vehicleID),
33 FOREIGN KEY (customerID) REFERENCES Customer(customerID)
34);
35
36 • Ⓜ CREATE TABLE Payment (
37 paymentID INT PRIMARY KEY,
38 leaseID INT,
39 paymentDate DATE,
40 amount INT,
41 FOREIGN KEY (leaseID) REFERENCES Lease(leaseID)
42);

Output

Action Output

#	Time	Action	Message	Duration / Fetch
94	11:58:50	INSERT INTO Lease VALUES (1, 1, 1, '2023-01-01', '2023-01-01', 'Daily'), (2, 2, 2, '2023-01-01', '2023-01-01', 'Weekly')	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.015 sec
95	11:58:50	INSERT INTO Payment VALUES (1, 1, '2023-01-03', 900.00), (2, 2, '2023-02-20', 1000.00)	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec

Object Info Session

MySQL Workbench

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SQLEditTableImportExportSQLScript

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hex 3(2) HEX 2* pthon sql 1 pthon sql 2 sql 1 SQL File 7* ×

VALUES

(1, 'Toyota', 'Camry', 2022, 50.00, 1, 4, 1450),
(2, 'Honda', 'Civic', 2023, 45.00, 1, 7, 1500),
(3, 'Ford', 'Focus', 2022, 48.00, 0, 4, 1400),
(4, 'Nissan', 'Altima', 2023, 52.00, 1, 7, 1200),
(5, 'Chevrolet', 'Malibu', 2022, 47.00, 1, 4, 1800),
(6, 'Hyundai', 'Sonata', 2023, 49.00, 0, 7, 1400),
(7, 'BMW', '3 Series', 2023, 60.00, 1, 7, 2499),
(8, 'Mercedes', 'C-Class', 2022, 58.00, 1, 8, 2599),
(9, 'Audi', 'A4', 2022, 55.00, 0, 4, 2500),
(10, 'Lexus', 'E5', 2023, 54.00, 1, 4, 2500);

56

57

58 • INSERT INTO Customer

59 VALUES

(1, 'John', 'Doe', 'johndoe@example.com', '555-555-5555'),
(2, 'Jane', 'Smith', 'janeshmith@example.com', '555-123-4567'),
(3, 'Robert', 'Johnson', 'robert@example.com', '555-789-1234'),
(4, 'Sarah', 'Brown', 'sarah@example.com', '555-456-7890'),
(5, 'David', 'Lee', 'david@example.com', '555-987-6543'),
(6, 'Laura', 'Hall', 'laura@example.com', '555-234-5678').

Output

Action Output

#	Time	Action	Message	Duration / Fetch
94	11:58:50	INSERT INTO Lease VALUES (1, 1, 1, '2023-01-01', '2023-01-01', 'Daily'), (2, 2, 2, '2023-01-01', '2023-01-01', 'Daily')	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.015 sec
95	11:58:50	INSERT INTO Payment VALUES (1, 1, '2023-01-03', 900.00), (2, 2, '2023-02-20', 1000.00)	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec

Object Info Session

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SQLEditTableImportExportSQLScripting

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hex 3(2) HEX 2* pthon sql 1 pthon sql 2 sql 1 SQL File 7* ×

Limit to 1000 rows

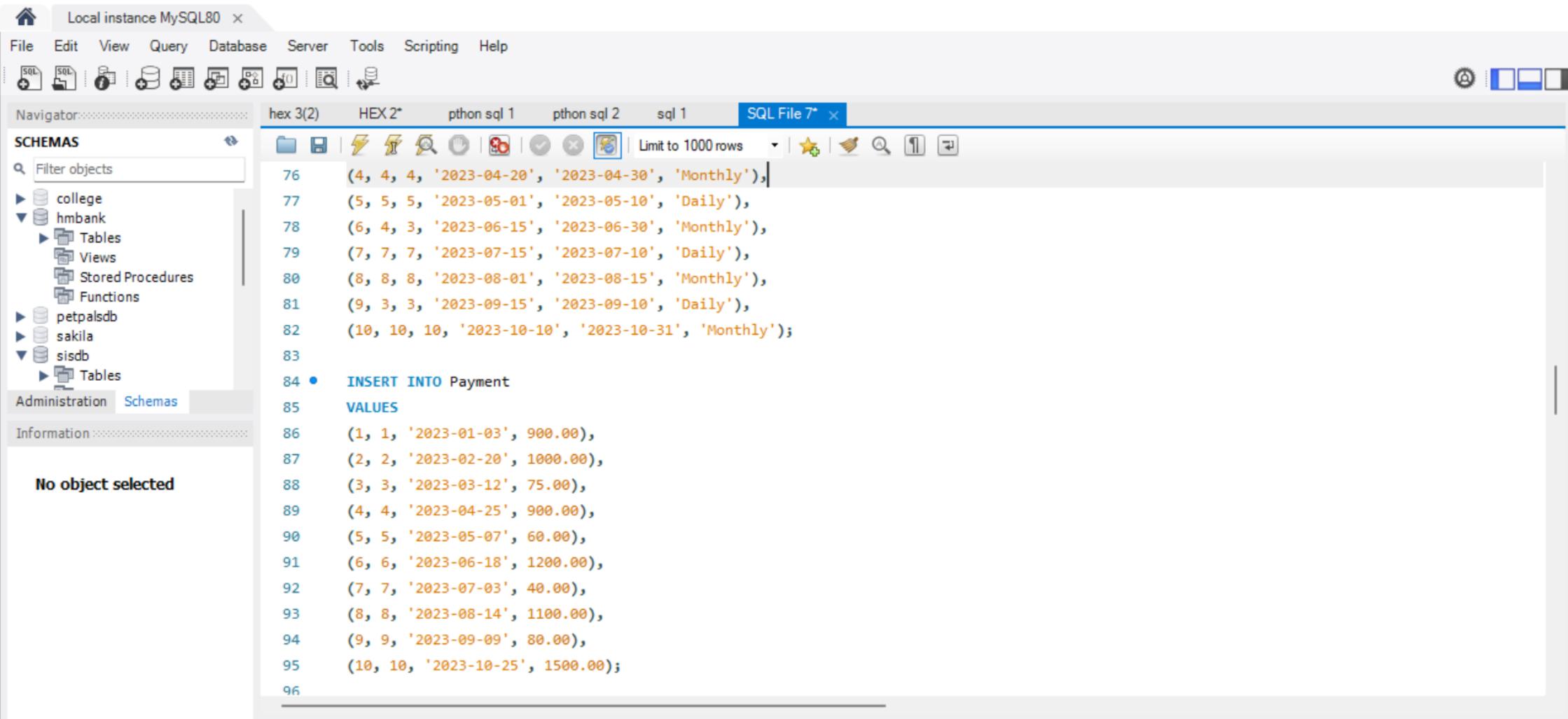
63 (4, 'Sarah', 'Brown', 'sarah@example.com', '555-456-7890'),
64 (5, 'David', 'Lee', 'david@example.com', '555-987-6543'),
65 (6, 'Laura', 'Hall', 'laura@example.com', '555-234-5678'),
66 (7, 'Michael', 'Davis', 'michael@example.com', '555-876-5432'),
67 (8, 'Emma', 'Wilson', 'Emma@example.com', '555-432-1098'),
68 (9, 'William', 'Taylor', 'william@example.com', '555-321-6547'),
69 (10, 'Olivia', 'Adams', 'olivia@example.com', '555-765-4321');
70
71 • INSERT INTO Lease
72 VALUES
73 (1, 1, 1, '2023-01-01', '2023-01-01', 'Daily'),
74 (2, 2, 2, '2023-02-15', '2023-02-28', 'Monthly'),
75 (3, 3, 3, '2023-03-10', '2023-03-15', 'Daily'),
76 (4, 4, 4, '2023-04-20', '2023-04-30', 'Monthly'),
77 (5, 5, 5, '2023-05-01', '2023-05-10', 'Daily'),
78 (6, 4, 3, '2023-06-15', '2023-06-30', 'Monthly'),
79 (7, 7, 7, '2023-07-15', '2023-07-10', 'Daily'),
80 (8, 8, 8, '2023-08-01', '2023-08-15', 'Monthly'),
81 (9, 3, 3, '2023-09-15', '2023-09-10', 'Daily'),
82 (10, 10, 10, '2023-10-10', '2023-10-31', 'Monthly');
83

Output

Action Output

#	Time	Action	Message	Duration / Fetch
94	11:58:50	INSERT INTO Lease VALUES (1, 1, 1, '2023-01-01', '2023-01-01', 'Daily'), (2, 2, 2, '2023-02-15', '2023-02-28', 'Monthly'), (3, 3, 3, '2023-03-10', '2023-03-15', 'Daily'), (4, 4, 4, '2023-04-20', '2023-04-30', 'Monthly'), (5, 5, 5, '2023-05-01', '2023-05-10', 'Daily'), (6, 4, 3, '2023-06-15', '2023-06-30', 'Monthly'), (7, 7, 7, '2023-07-15', '2023-07-10', 'Daily'), (8, 8, 8, '2023-08-01', '2023-08-15', 'Monthly'), (9, 3, 3, '2023-09-15', '2023-09-10', 'Daily'), (10, 10, 10, '2023-10-10', '2023-10-31', 'Monthly');	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.015 sec
95	11:58:50	INSERT INTO Payment VALUES (1, 1, '2023-01-03', 900.00), (2, 2, '2023-02-20', 1000.00), (3, 3, '2023-03-15', 1100.00), (4, 4, '2023-04-10', 1200.00), (5, 5, '2023-05-05', 1300.00), (6, 6, '2023-06-20', 1400.00), (7, 7, '2023-07-10', 1500.00), (8, 8, '2023-08-05', 1600.00), (9, 9, '2023-09-20', 1700.00), (10, 10, '2023-10-10', 1800.00);	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec

Object Info Session



Output



#	Time	Action	Message	Duration / Fetch
✓	94 11:58:50	INSERT INTO Lease VALUES (1, 1, 1, '2023-01-01', '2023-01-01', 'Daily'), (2, 2, 2, ...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.015 sec
✓	95 11:58:50	INSERT INTO Payment VALUES (1, 1, '2023-01-03', 900.00), (2, 2, '2023-02-20', 1...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec

MySQL Workbench

Local instance MySQL80 ×

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SQLEdit HEX pthon sql 1 pthon sql 2 sql 1 SQL File 7*

Navigator

SCHEMAS

Filter objects

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- sisdb
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Administration Schemas

Information

No object selected

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

dailyRate
68.00

vehicle 1 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
96	12:00:18	UPDATE Vehicle SET dailyRate = 68 WHERE make = 'Mercedes'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.016 sec
97	12:00:52	select dailyRate from vehicle where make = 'Mercedes' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Result Grid Form Editor Field Types

Read Only

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQl hex 3(2) HEX 2* pthon sql 1 pthon sql 2 sql 1 SQL File 7* x

Navigator

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sisdb

Tables

Administration Schemas

No object selected

Information

Result Grid

Filter Rows: Edit: Export/Import: Wrap Cell Content:

customerID	firstName	lastName	email	phoneNumber
1	John	Doe	johndoe@example.com	555-555-5555
2	Jane	Smith	janesmith@example.com	555-123-4567
4	Sarah	Brown	sarah@example.com	555-456-7890
5	David	Lee	david@example.com	555-987-6543
6	Laura	Hall	laura@example.com	555-234-5678
7	Michael	Davis	michael@example.com	555-876-5432
8	Emma	Wilson	Emma@example.com	555-432-1098
9	William	Taylor	william@example.com	555-321-6547
10	Olivia	Adams	olivia@example.com	555-765-4321
*	NULL	NULL	NULL	NULL

CUSTOMER 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
102	12:04:29	DELETE FROM Customer WHERE customerID = 3	1 row(s) affected	0.000 sec
103	12:04:49	SELECT * FROM CUSTOMER LIMIT 0, 1000	9 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

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SQLEdit Schema View Table Functions Procedure

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Administration Schemas

Information

No object selected

hex 3(2) HEX 2* python sql 1 python sql 2 sql 1 SQL File 7* x

114
115
116 -- Task 3: Rename the "paymentDate" column in the Payment table to "transactionDate"
117 -- Assuming you are using PostgreSQL
118 • ALTER TABLE Payment
119 RENAME COLUMN paymentDate TO transactionDate;
120 • desc Payment;|
121

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

Field	Type	Null	Key	Default	Extra
paymentID	int	NO	PRI	NULL	
leaseID	int	YES	MUL	NULL	
transactionDate	date	YES		NULL	
amount	int	YES		NULL	

Result 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
105	12:07:08	ALTER TABLE Payment RENAME COLUMN paymentDate TO transactionDate	Error Code: 1054. Unknown column 'paymentDate' in 'payment'	0.016 sec
106	12:07:17	desc Payment	4 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQLEdit Schema Browser Database Object Navigator

Navigator

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Information

No object selected

hex 3(2) HEX 2* pthon sql 1 pthon sql 2 sql 1 SQL File 7* x

119 RENAME COLUMN paymentDate TO transactionDate;

120 • desc Payment;

121

122

123 -- Task 4: Find a specific customer by email

124 • SELECT * FROM Customer

125 WHERE email = 'sarah@example.com';

126

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

customerID	firstName	lastName	email	phoneNumber
4	Sarah	Brown	sarah@example.com	555-456-7890
*	NULL	NULL	NULL	NULL

Customer 4 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
106	12:07:17	desc Payment	4 row(s) returned	0.016 sec / 0.000 sec
107	12:08:05	SELECT * FROM Customer WHERE email = 'sarah@example.com' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Result Grid Form Editor Field Types

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQLEdit Schema Browser SQL File Manager

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Administration Schemas

Information

No object selected

hex 3(2) HEX 2* python sql 1 python sql 2 sql 1 SQL File 7* ×

124 • SELECT * FROM Customer
125 WHERE email = 'sarah@example.com';
126
127 -- Task 5: Get active leases for a specific customer
128 • SELECT * FROM Lease
129 WHERE customerID = 5
130
131

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

leaseID	vehicleID	customerID	startDate	endDate	leaseType
5	5	5	2023-05-01	2023-05-10	Daily
*	NULL	NULL	NULL	NULL	NULL

Lease 5 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
108	12:08:38	SELECT * FROM Lease WHERE customerID = 5 AND GETDATE() BETWEEN sta...	Error Code: 1305. FUNCTION curren... does not exist	0.015 sec
109	12:09:08	SELECT * FROM Lease WHERE customerID = 5 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

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Administration Schemas

No object selected

Result Grid

Filter Rows: Export: Wrap Cell Content:

paymentID	leaseID	transactionDate	amount
-----------	---------	-----------------	--------

Result 11 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
119	12:16:53	SELECT payment.* FROM Payment INNER JOIN Lease ON Payment.paymentID =...	0 row(s) returned	0.000 sec / 0.000 sec
120	12:17:34	SELECT payment.* FROM Payment INNER JOIN Lease ON Payment.paymentID =...	0 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Result Grid

Form Editor

Field Types

Read Only

MySQL Workbench

Local instance MySQL80 x

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Administration Schemas

Information

No object selected

hex 3(2) HEX 2* pthon sql 1 pthon sql 2 sql 1 SQL File 7* x

138
139
140 -- Task 7: Calculate the average daily rate of all available cars
141
142 • SELECT AVG(dailyRate) AS AverageDailyRate
143 FROM Vehicle
144 WHERE STATUS = 1;
145

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

AverageDailyRate
53.714286

Result 12 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
121	12:18:31	SELECT AVG(dailyRate) AS AverageDailyRate FROM Vehicle WHERE available = ...	Error Code: 1054. Unknown column 'available' in 'where clause'	0.000 sec
122	12:18:50	SELECT AVG(dailyRate) AS AverageDailyRate FROM Vehicle WHERE STATUS = ...	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Read Only

MySQL Workbench

Local instance MySQL80 x

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Administration Schemas

Information

No object selected

hex 3(2) HEX 2* pthon sql 1 pthon sql 2 sql 1 SQL File 7* x

143 FROM Vehicle
144 WHERE STATUS = 1;
145
146 -- Task 8: Find the car with the highest daily rate
147
148 • select make,DAILYRATE FROM Vehicle
149 ORDER BY dailyRate DESC LIMIT 1;
150

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

make	DAILYRATE
Mercedes	68.00

Vehicle 18 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
130	12:21:51	select make,DAILY RATE FROM Vehicle ORDER BY dailyRate DESC LIMIT 1	Error Code: 1054. Unknown column 'DAILY' in 'field list'	0.000 sec
131	12:22:01	select make,DAILYRATE FROM Vehicle ORDER BY dailyRate DESC LIMIT 1	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Result Grid Form Editor Field Types

Read Only

MySQL Workbench

Local instance MySQL80 x

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SQLEdit HEX2* Python sql 1 Python sql 2 SQL 1 SQL File 7*

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Filter objects

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Tables

Administration Schemas

Information

No object selected

hex 3(2) HEX 2* Python sql 1 Python sql 2 SQL 1 SQL File 7*

150
151 -- Task 9: Retrieve all cars leased by a specific customer
152 • SELECT Vehicle.*
153 FROM Vehicle
154 INNER JOIN Lease ON Vehicle.vehicleID = Lease.vehicleID
155 WHERE Lease.customerID = (SELECT customerID FROM Customer WHERE email = 'johndoe@example.com');
156
157

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

vehicleID	make	model	year	dailyRate	status	passengerCapacity	engineCapacity
1	Toyota	Camry	2022	50.00	1	4	1450

Result 19 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
132	12:22:27	SELECT V.* FROM Vehicle V JOIN Lease L ON V.carID = L.carID WHERE L.cust...	Error Code: 1054. Unknown column 'V.carID' in 'on clause'	0.000 sec
133	12:23:28	SELECT Vehicle.* FROM Vehicle INNER JOIN Lease ON Vehicle.vehicleID = Leas...	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

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SQLEdit HEX2* pthon sql 1 pthon sql 2 sql 1 SQL File 7*

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Filter objects

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Administration Schemas

Information

No object selected

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Fetch rows: | Result Grid (selected)

leaseID	leasetype
10	Monthly
NULL	NULL

Form Editor

Field Types

Lease 21 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
135	12:24:13	select startdate FROM Lease ORDER BY startDate DESC LIMIT 1	1 row(s) returned	0.016 sec / 0.000 sec
136	12:24:44	select leaseID,leasetype FROM Lease ORDER BY startDate DESC LIMIT 1	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

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SQl CSV JSON XML DDL DML DCL FTSW Hex

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SCHEMAS

Filter objects

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Administration Schemas

No object selected

hex 3(2) HEX 2 python sql 1* python sql 2* sql 1 CC3* x HEX 4 Hex 5

-- Task 11: List all payments made in the year 2023

SELECT *
FROM Payment
WHERE transactionDate >= '2023-01-01' AND transactionDate < '2024-01-01';

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content:

	paymentID	leaseID	transactionDate	amount
▶	1	1	2023-01-03	900
	2	2	2023-02-20	1000
	4	4	2023-04-25	900
	5	5	2023-05-07	60
	7	7	2023-07-03	40
	8	8	2023-08-14	1100
	10	10	2023-10-25	1500
*	NULL	NULL	NULL	NULL

Form Editor

Field Types

Query Stats

Payment 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch	
✖	142	14:43:47	SELECT * FROM Payment WHERE paymentDate >= '2023-01-01' AND paymentDate ...	Error Code: 1054. Unknown column 'paymentDate' in 'where clause'	0.000 sec
✔	143	14:44:50	SELECT * FROM Payment WHERE transactionDate >= '2023-01-01' AND transaction...	7 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

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SQLEdit Schema View Table Procedure Function

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Administration Schemas

Information

No object selected

hex 3(2) HEX 2* python sql 1 python sql 2 sql 1 SQL File 7* x

167
168 -- Task 12: Retrieve customers who have not made any payments
169 • SELECT C.*
170 FROM Customer C
171 LEFT JOIN Lease L ON C.customerID = L.customerID
172 LEFT JOIN Payment P ON L.leaseID = P.leaseID
173 WHERE P.paymentID IS NULL;
174

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

customerID	firstName	lastName	email	phoneNumber
6	Laura	Hall	laura@example.com	555-234-5678
9	William	Taylor	william@example.com	555-321-6547

Result 22 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
144	12:28:12	SELECT * FROM Payment WHERE YEAR(paymentDate) = 2023 LIMIT 0, 1000	Error Code: 1054. Unknown column 'paymentDate' in 'where clause'	0.000 sec
145	12:29:51	SELECT C.* FROM Customer C LEFT JOIN Lease L ON C.customerID = L.customerID WHERE L.leaseID IS NULL;	2 row(s) returned	0.000 sec / 0.000 sec

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Schemas

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Administration Schemas

No object selected

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

vehicleID	make	model	year	dailyRate	status	passengerCapacity	engineCapacity	totalPayments
1	Toyota	Camry	2022	50.00	1	4	1450	900
2	Honda	Civic	2023	45.00	1	7	1500	1000
3	Ford	Focus	2022	48.00	0	4	1400	NULL
4	Nissan	Altima	2023	52.00	1	7	1200	900
5	Chevrolet	Malibu	2022	47.00	1	4	1800	60
6	Hyundai	Sonata	2023	49.00	0	7	1400	NULL
7	BMW	3 Series	2023	60.00	1	7	2499	40
8	Mercedes	C-Class	2022	68.00	1	8	2599	1100
9	Audi	A4	2022	55.00	0	4	2500	NULL
10	Lexus	E5	2023	54.00	1	4	2500	1500

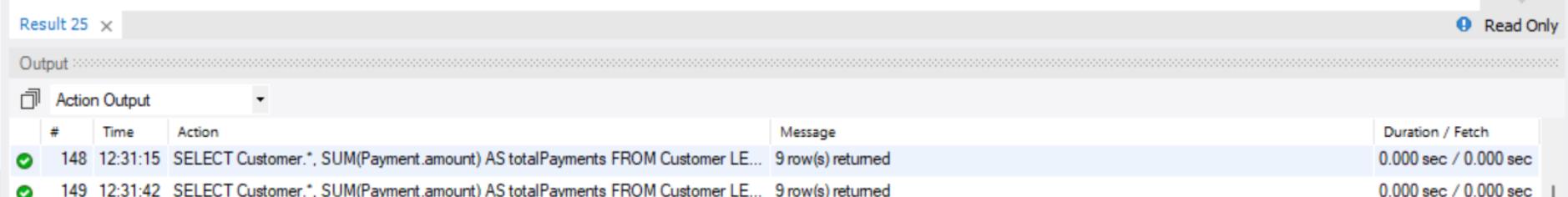
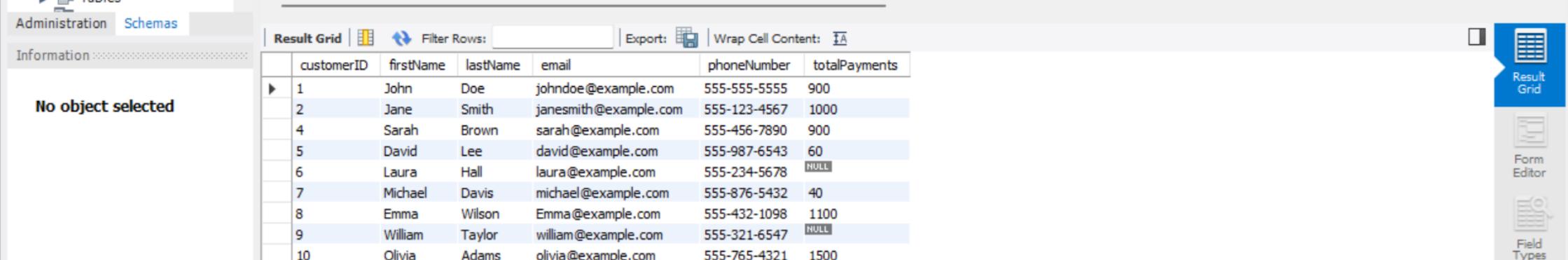
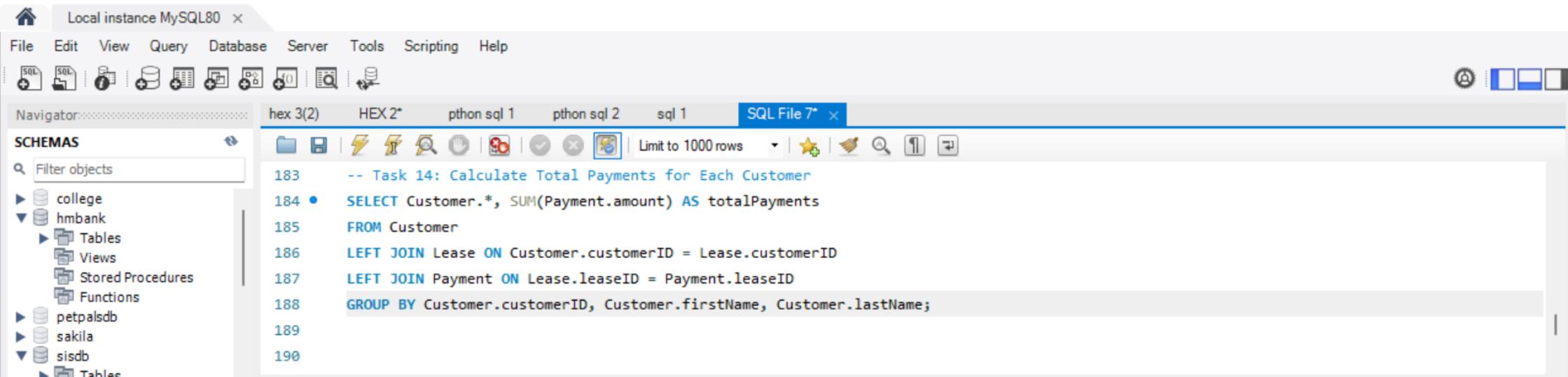
Result 23 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
146	12:30:11	SELECT V.* , SUM(P.amount) AS TotalPayments FROM Vehicle V LEFT JOIN Leas...	Error Code: 1054. Unknown column 'V.carID' in 'on clause'	0.000 sec
147	12:30:41	SELECT Vehicle.* , SUM(Payment.amount) AS totalPayments FROM Vehicle LEFT ...	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session



MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQLEdit Schema Browser Database Object Navigator

hex 3(2) HEX 2* pthon sql 1 pthon sql 2 sql 1 SQL File 7* x

Navigator

SCHEMAS

Filter objects

college

hmbank

Tables

Views

Stored Procedures

Functions

petpalsdb

sakila

sisdb

Tables

Administration Schemas

Information

No object selected

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid Form Editor Field Types

leaseID vehicleID customerID startDate endDate leaseType vehicleID make model year dailyRate status passengerCapacity engineCapacity

leaseID	vehicleID	customerID	startDate	endDate	leaseType	vehicleID	make	model	year	dailyRate	status	passengerCapacity	engineCapacity
1	1	1	2023-01-01	2023-01-01	Daily	1	Toyota	Camry	2022	50.00	1	4	1450
2	2	2	2023-02-15	2023-02-28	Monthly	2	Honda	Civic	2023	45.00	1	7	1500
4	4	4	2023-04-20	2023-04-30	Monthly	4	Nissan	Altima	2023	52.00	1	7	1200
5	5	5	2023-05-01	2023-05-10	Daily	5	Chevrolet	Malibu	2022	47.00	1	4	1800
7	7	7	2023-07-15	2023-07-10	Daily	7	BMW	3 Series	2023	60.00	1	7	2499
8	8	8	2023-08-01	2023-08-15	Monthly	8	Mercedes	C-Class	2022	68.00	1	8	2599
10	10	10	2023-10-10	2023-10-31	Monthly	10	Lexus	E5	2023	54.00	1	4	2500

Result 26 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
149	12:31:42	SELECT Customer.*, SUM(Payment.amount) AS totalPayments FROM Customer LE...	9 row(s) returned	0.000 sec / 0.000 sec
150	12:32:12	SELECT Lease.*, Vehicle.* FROM Lease INNER JOIN Vehicle ON Lease.vehicle...	7 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQl CSV JSON XML DDL DML FTS Hex Navigator

hex 3(2) HEX 2 python sql 1* python sql 2* sql 1 CC3* x HEX 4 Hex 5

Filter objects

SCHEMAS

- currentaldb
 - Tables
 - Views
 - Stored Procedures
 - Functions
- cms
 - Tables
 - Views
 - Stored Procedures
 - Functions
- college
- hmbank
- sakila

Administration Schemas

No object selected

-- Task 16: Retrieve Details of Active Leases with Customer and Car Information

```
200 -- Task 16: Retrieve Details of Active Leases with Customer and Car Information
201 • SELECT Lease.*, Customer.*, Vehicle.*
202 FROM Lease
203 JOIN Customer ON Lease.customerID = Customer.customerID
204 JOIN Vehicle ON Lease.vehicleID = Vehicle.vehicleID;
---
```

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid | Form Editor | Field Types | Query Stats

leaseID	vehicleID	customerID	startDate	endDate	leaseType	customerID	firstName	lastName	email	phoneNumber	vehicleID	make	model
1	1	1	2023-01-01	2023-01-01	Daily	1	John	Doe	johndoe@example.com	555-555-5555	1	Toyota	Camry
2	2	2	2023-02-15	2023-02-28	Monthly	2	Jane	Smith	janesmith@example.com	555-123-4567	2	Honda	Civic
4	4	4	2023-04-20	2023-04-30	Monthly	4	Sarah	Brown	sarah@example.com	555-456-7890	4	Nissan	Altima
5	5	5	2023-05-01	2023-05-10	Daily	5	David	Lee	david@example.com	555-987-6543	5	Chevrolet	Malibu
7	7	7	2023-07-15	2023-07-10	Daily	7	Michael	Davis	michael@example.com	555-876-5432	7	BMW	3 Series
8	8	8	2023-08-01	2023-08-15	Monthly	8	Emma	Wilson	emma@example.com	555-432-1098	8	Mercedes	C-Class
10	10	10	2023-10-10	2023-10-31	Monthly	10	Olivia	Adams	olivia@example.com	555-765-4321	10	Lexus	E5

Result 4 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
145	14:46:01	SELECT Lease.*, Customer.*, Vehicle.* FROM Lease JOIN Customer ON Lease.customerID = Customer.customerID JOIN Vehicle ON Lease.vehicleID = Vehicle.vehicleID;	0 row(s) returned	0.000 sec / 0.000 sec
146	14:46:40	SELECT Lease.*, Customer.*, Vehicle.* FROM Lease JOIN Customer ON Lease.customerID = Customer.customerID JOIN Vehicle ON Lease.vehicleID = Vehicle.vehicleID;	7 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQLEdit Schema Browser Database Object Browser Help

Navigator

SCHEMAS

Filter objects

- college
- hmbank
 - Tables
 - Views
 - Stored Procedures
 - Functions
- petpalsdb
- sakila
- sisdb
 - Tables

Administration Schemas

Information

No object selected

hex 3(2) HEX 2* pthon sql 1 pthon sql 2 sql 1 SQL File 7* x

205 -- Task 17: Find the Customer Who Has Spent the Most on Leases
206 • SELECT Customer.*, SUM(Payment.amount) AS totalPayments
207 FROM Customer
208 LEFT JOIN Lease ON Customer.customerID = Lease.customerID
209 LEFT JOIN Payment ON Lease.leaseID = Payment.leaseID
210 GROUP BY Customer.customerID, Customer.firstName, Customer.lastName, Customer.email, Customer.phoneNumber
211 ORDER BY totalPayments DESC
212 LIMIT 1;

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

customerID	firstName	lastName	email	phoneNumber	totalPayments
10	Olivia	Adams	olivia@example.com	555-765-4321	1500

Form Editor

Field Types

Result 28 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
155	12:35:23	FROM Customer LEFT JOIN Lease ON Customer.customerID = Lease.customerID ...	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'Customer LEFT JOIN Lease ON Customer.customerID = Lease.customerID ...' at line 1	0.000 sec
156	12:36:22	SELECT Customer.*, SUM(Payment.amount) AS totalPayments FROM Customer LE...	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQl + - ; ! < > % SQL File 7*

Navigator

SCHEMAS

Filter objects

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Tables

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Stored Procedures

Functions

petpalsdb

sakila

sisdb

Tables

Administration Schemas

No object selected

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

vehicleID	make	model	year	dailyRate	status	passengerCapacity	engineCapacity	leaseID	vehicleID	customerID	startDate	endDate	leaseType
1	Toyota	Camry	2022	50.00	1	4	1450	1	1	1	2023-01-01	2023-01-01	Daily
2	Honda	Civic	2023	45.00	1	7	1500	2	2	2	2023-02-15	2023-02-28	Monthly
3	Ford	Focus	2022	48.00	0	4	1400	NULL	NULL	NULL	NULL	NULL	NULL
4	Nissan	Altima	2023	52.00	1	7	1200	4	4	4	2023-04-20	2023-04-30	Monthly
5	Chevrolet	Malibu	2022	47.00	1	4	1800	5	5	5	2023-05-01	2023-05-10	Daily
6	Hyundai	Sonata	2023	49.00	0	7	1400	NULL	NULL	NULL	NULL	NULL	NULL
7	BMW	3 Series	2023	60.00	1	7	2499	7	7	7	2023-07-15	2023-07-10	Daily
8	Mercedes	C-Class	2022	68.00	1	8	2599	8	8	8	2023-08-01	2023-08-15	Monthly
9	Audi	A4	2022	55.00	0	4	2500	NULL	NULL	NULL	NULL	NULL	NULL
10	Lexus	E5	2023	54.00	1	4	2500	10	10	10	2023-10-10	2023-10-31	Monthly

Result 30 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
159	12:38:14	SELECT Vehicle.* , Lease.* FROM Vehicle LEFT JOIN Lease ON Vehicle.vehicleID = Lease.vehicleID;	Error Code: 1305. FUNCTION currenthaldb.GETDATE does not exist	0.000 sec
160	12:38:29	SELECT Vehicle.* , Lease.* FROM Vehicle LEFT JOIN Lease ON Vehicle.vehicleID = Lease.vehicleID;	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session