

Database Notebook Report.

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Please enter keywords

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Search

TOC

CELL1	Markdown					
CELL2	sql	Exequated	create table	CELL2	Query Result	null rows affected (0.11 sec)
CELL3	Markdown					
CELL4	sql	Exequated	insert	users	Query Result	10 rows affected (0.01 sec)
CELL5	Markdown					
CELL6	sql	Exequated	select	users	Query Result	10 rows in set (0.00 sec)
CELL7	sql	Exequated	select	users	Query Result	10 rows in set (0.00 sec)
CELL8	Markdown					
CELL9	sql	Exequated	update	users	Query Result	1 row affected (0.00 sec)
CELL10	sql	Exequated	select	users	Query Result	3 rows in set (0.00 sec)
CELL11	Markdown					
CELL12	sql	Exequated	delete	users	Query Result	1 row affected (0.01 sec)
CELL13	sql	Exequated	select	users	Query Result	8 rows in set (0.00 sec)
CELL14	Markdown					
CELL15	sql	Exequated	create table	CELL15	Query Result	null rows affected (0.09 sec)
CELL16	Markdown					
CELL17	sql	Exequated	insert	cars	Query Result	10 rows affected (0.01 sec)
CELL18	Markdown					

CELL19	sql	Exequuted	select	cars	Query Result	10 rows in set (0.00 sec)
CELL20	Markdown					
CELL21	sql	Exequuted	update	cars	Query Result	undefined rows affected (0.01 sec)
CELL22	sql	Exequuted	select	cars	Query Result	10 rows in set (0.00 sec)
CELL23	Markdown					
CELL24	sql	Exequuted	delete	cars	Query Result	1 row affected (0.00 sec)
CELL25	sql	Exequuted	select	cars	Query Result	8 rows in set (0.00 sec)
CELL26	Markdown					
CELL27	sql	Exequuted	create table	CELL27	Query Result	null rows affected (0.03 sec)
CELL28	sql	Exequuted	insert	rentals	Query Result	10 rows affected (0.01 sec)
CELL29	Markdown					
CELL30	sql	Exequuted	select	rentals	Query Result	10 rows in set (0.00 sec)
CELL31	sql	Exequuted	select	rentals	Query Result	10 rows in set (0.01 sec)
CELL32	Markdown					
CELL33	sql	Exequuted	update	rentals	Query Result	undefined rows affected (0.01 sec)
CELL34	sql	Exequuted	select	rentals	Query Result	9 rows in set (0.00 sec)
CELL35	Markdown					
CELL36	sql	Exequuted	delete	rentals	Query Result	undefined rows affected (0.00 sec)
CELL37	sql	Exequuted	select	rentals	Query Result	8 rows in set (0.00 sec)
CELL38	Markdown					
CELL39	sql	Exequuted	create table	CELL39	Query Result	null rows affected (0.02 sec)
CELL40	Markdown					
CELL41	sql	Exequuted	insert	payments	Query Result	10 rows affected (0.01 sec)

CELL42	sql	Exequuted	select	payments	Query Result	10 rows in set (0.00 sec)
CELL43	sql	Exequuted	drop table	CELL43	Query Result	null rows affected (0.01 sec)
CELL44	sql	Exequuted	select	payments	Query Result	7 rows in set (0.01 sec)
CELL45	Markdown					
CELL46	sql	Exequuted	update	payments	Query Result	undefined rows affected (0.01 sec)
CELL47	sql	Exequuted	select	payments	Query Result	10 rows in set (0.00 sec)
CELL48	Markdown					
CELL49	sql	Exequuted	delete	payments	Query Result	undefined rows affected (0.01 sec)
CELL50	sql	Exequuted	select	payments	Query Result	8 rows in set (0.00 sec)

CELL1

Users

Create

CELL2

```
CREATE TABLE users(  
  user_id INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,  
  first_name VARCHAR NOT NULL CHECK (first_name <> ''),  
  last_name VARCHAR NOT NULL CHECK (last_name <> ''),  
  email VARCHAR NOT NULL UNIQUE CHECK (email <> ''),  
  created_at TIMESTAMP NOT NULL DEFAULT NOW(),  
  hashed_password VARCHAR NOT NULL CHECK (hashed_password <> ''),  
  phone_number VARCHAR NOT NULL CHECK (phone_number <> ''),  
  account_credit NUMERIC(12,2) NOT NULL DEFAULT 0 CHECK (account_credit >= 0)  
);
```

Query Result null rows affected (0.11 sec)

affectedRows
INTEGER
NULL

CELL3

Insert

CELL4

```
INSERT INTO users
(first_name, last_name, email, hashed_password, phone_number, account_credit)
VALUES
('Ali', 'Ahmadi', 'ali@example.com', 'hash1', '09120000001', 100),
('Reza', 'Karimi', 'reza@example.com', 'hash2', '09120000002', 250),
('Sara', 'Mohammadi', 'sara@example.com', 'hash3', '09120000003', 0),
('Nima', 'Hosseini', 'nima@example.com', 'hash4', '09120000004', 50),
('Maryam', 'Ebrahimi', 'maryam@example.com', 'hash5', '09120000005', 300),
('Arman', 'Rahimi', 'arman@example.com', 'hash6', '09120000006', 20),
('Zahra', 'Kazemi', 'zahra@example.com', 'hash7', '09120000007', 0),
('Hossein', 'Moradi', 'hossein@example.com', 'hash8', '09120000008', 150),
('Elham', 'Safari', 'elham@example.com', 'hash9', '09120000009', 80),
('Mehdi', 'Jafari', 'mehdi@example.com', 'hash10', '09120000010', 500);
```

Query Result 10 rows affected (0.01 sec)

affectedRows
INTEGER
10

CELL5

Read

CELL6

```
SELECT * FROM users
```

Query Result 10 rows in set (0.00 sec)

user_id	first_name	last_name	email	created_at	hashed_password	phone_number	account_credit
INTEGER	VARCHAR	VARCHAR	VARCHAR	TIMESTAMP	VARCHAR	VARCHAR	NUMERIC
1	Ali	Ahmadi	ali@example.com	2025-12-18 14:44:58	hash1	09120000001	100.00
2	Reza	Karimi	reza@example.com	2025-12-18 14:44:58	hash2	09120000002	250.00
3	Sara	Mohammadi	sara@example.com	2025-12-18 14:44:58	hash3	09120000003	0.00
4	Nima	Hosseini	nima@example.com	2025-12-18 14:44:58	hash4	09120000004	50.00
5	Maryam	Ebrahimi	maryam@example.com	2025-12-18 14:44:58	hash5	09120000005	300.00
6	Arman	Rahimi	arman@example.com	2025-12-18 14:44:58	hash6	09120000006	20.00
7	Zahra	Kazemi	zahra@example.com	2025-12-18 14:44:58	hash7	09120000007	0.00
8	Hossein	Moradi	hossein@example.com	2025-12-18 14:44:58	hash8	09120000008	150.00
9	Elham	Safari	elham@example.com	2025-12-18 14:44:58	hash9	09120000009	80.00
10	Mehdi	Jafari	mehdi@example.com	2025-12-18 14:44:58	hash10	09120000010	500.00

CELL7

```
SELECT user_id, first_name, email, account_credit
FROM users
ORDER BY account_credit;
```

Query Result 10 rows in set (0.00 sec)

user_id	first_name	email	account_credit
INTEGER	VARCHAR	VARCHAR	NUMERIC
3	Sara	sara@example.com	0.00
7	Zahra	zahra@example.com	0.00
6	Arman	arman@example.com	20.00
4	Nima	nima@example.com	50.00
9	Elham	elham@example.com	80.00
1	Ali	ali@example.com	100.00
8	Hossein	hossein@example.com	150.00
2	Reza	reza@example.com	250.00
5	Maryam	maryam@example.com	300.00

user_id	first_name	email	account_credit
INTEGER	VARCHAR	VARCHAR	NUMERIC
10	Mehdi	mehdi@example.com	500.00

CELL8

Update

CELL9

```
UPDATE users
SET hashed_password = '1234567890'
WHERE user_id = 6;
```

Query Result 1 row affected (0.00 sec)

affectedRows
INTEGER
1

CELL10

```
SELECT *
FROM users
WHERE user_id IN (4, 6, 8)
ORDER BY first_name;
```

Query Result 3 rows in set (0.00 sec)

user_id	first_name	last_name	email	created_at	hashed_password	phone_number	account_credit
INTEGER	VARCHAR	VARCHAR	VARCHAR	TIMESTAMP	VARCHAR	VARCHAR	NUMERIC
6	Arman	Rahimi	arman@example.com	2025-12-18 14:44:58	1234567890	09120000006	20.00
8	Hossein	Moradi	hossein@example.com	2025-12-18 14:44:58	hash8	09120000008	150.00
4	Nima	Hosseini	nima@example.com	2025-12-18 14:44:58	hash4	09120000004	50.00

CELL11

Delete

CELL12

```
DELETE FROM users
WHERE last_name = 'Rahimi' OR account_credit = 50.00
```

Query Result 1 row affected (0.01 sec)

affectedRows
INTEGER
1

CELL13

```
SELECT * FROM users
```

Query Result 8 rows in set (0.00 sec)

user_id	first_name	last_name	email	created_at	hashed_password	phone_number	account_credit
INTEGER	VARCHAR	VARCHAR	VARCHAR	TIMESTAMP	VARCHAR	VARCHAR	NUMERIC
1	Ali	Ahmadi	ali@example.com	2025-12-18 14:44:58	hash1	09120000001	100.00
2	Reza	Karimi	reza@example.com	2025-12-18 14:44:58	hash2	09120000002	250.00
3	Sara	Mohammadi	sara@example.com	2025-12-18 14:44:58	hash3	09120000003	0.00
5	Maryam	Ebrahimi	maryam@example.com	2025-12-18 14:44:58	hash5	09120000005	300.00
7	Zahra	Kazemi	zahra@example.com	2025-12-18 14:44:58	hash7	09120000007	0.00
8	Hossein	Moradi	hossein@example.com	2025-12-18 14:44:58	hash8	09120000008	150.00
9	Elham	Safari	elham@example.com	2025-12-18 14:44:58	hash9	09120000009	80.00
10	Mehdi	Jafari	mehdi@example.com	2025-12-18 14:44:58	hash10	09120000010	500.00

CELL14

Cars

Create

CELL15

```
CREATE TABLE cars (  
  car_id INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,  
  name VARCHAR NOT NULL CHECK (name <> ''),  
  brand VARCHAR NOT NULL CHECK (brand <> ''),  
  body_type VARCHAR NOT NULL CHECK (body_type <> ''),  
  production_year INT NOT NULL  
    CHECK (  
      production_year >= 1980 AND  
      production_year <= EXTRACT(YEAR FROM CURRENT_DATE)  
    ),  
  daily_rent_price NUMERIC(10,2) NOT NULL CHECK (daily_rent_price > 0),  
  status VARCHAR NOT NULL DEFAULT 'available'  
    CHECK (status IN ('available', 'rented')),  
  description TEXT,  
  created_at TIMESTAMP NOT NULL DEFAULT now()  
);
```

Query Result null rows affected (0.09 sec)

affectedRows
INTEGER
NULL

CELL16

Insert

CELL17

```
INSERT INTO cars
(name, brand, body_type, production_year, daily_rent_price, status, description)
VALUES
('Model S', 'Tesla', 'Sedan', 2022, 250.00, 'available', 'Electric sedan with autopilot.'),
('Mustang GT', 'Ford', 'Coupe', 2021, 180.00, 'available', 'Powerful sports coupe.'),
('Civic', 'Honda', 'Sedan', 2019, 75.00, 'rented', 'Reliable daily driver.'),
('Camry', 'Toyota', 'Sedan', 2020, 80.00, 'available', 'Comfortable midsize sedan.'),
('X5', 'BMW', 'SUV', 2021, 200.00, 'available', 'Luxury SUV with all features.'),
('Q7', 'Audi', 'SUV', 2018, 150.00, 'rented', 'Spacious SUV for family trips.'),
('Charger', 'Dodge', 'Sedan', 2020, 120.00, 'available', 'Sporty American sedan.'),
('Wrangler', 'Jeep', 'SUV', 2019, 140.00, 'available', 'Off-road capable SUV.'),
('A4', 'Audi', 'Sedan', 2017, 100.00, 'available', 'Compact luxury sedan.'),
('Model 3', 'Tesla', 'Sedan', 2022, 220.00, 'rented', 'Popular electric sedan.');
```

Query Result 10 rows affected (0.01 sec)

affectedRows
INTEGER
10

CELL18

Read

CELL19

```
SELECT * FROM cars
```

Query Result 10 rows in set (0.00 sec)

car_id	name	brand	body_type	production_year	daily_rent_price	status	description	created_at
INTEGER	VARCHAR	VARCHAR	VARCHAR	INTEGER	NUMERIC	VARCHAR	TEXT	TIMESTAMP
1	Model S	Tesla	Sedan	2022	250.00	available	Electric sedan with autopilot.	2025-12-18 15:17:10
2	Mustang GT	Ford	Coupe	2021	180.00	available	Powerful sports coupe.	2025-12-18 15:17:10
3	Civic	Honda	Sedan	2019	75.00	rented	Reliable daily driver.	2025-12-18 15:17:10

car_id	name	brand	body_type	production_year	daily_rent_price	status	description	created_at
INTEGER	VARCHAR	VARCHAR	VARCHAR	INTEGER	NUMERIC	VARCHAR	TEXT	TIMESTAMP
4	Camry	Toyota	Sedan	2020	80.00	available	Comfortable midsize sedan.	2025-12-18 15:17:10
5	X5	BMW	SUV	2021	200.00	available	Luxury SUV with all features.	2025-12-18 15:17:10
6	Q7	Audi	SUV	2018	150.00	rented	Spacious SUV for family trips.	2025-12-18 15:17:10
7	Charger	Dodge	Sedan	2020	120.00	available	Sporty American sedan.	2025-12-18 15:17:10
8	Wrangler	Jeep	SUV	2019	140.00	available	Off-road capable SUV.	2025-12-18 15:17:10
9	A4	Audi	Sedan	2017	100.00	available	Compact luxury sedan.	2025-12-18 15:17:10
10	Model 3	Tesla	Sedan	2022	220.00	rented	Popular electric sedan.	2025-12-18 15:17:10

CELL20

Update

CELL21

```
UPDATE cars
SET description = ''
WHERE car_id IN (2, 3, 7);

UPDATE cars
SET status = 'rented'
WHERE brand = 'Tesla';
```

Query Result undefined rows affected (0.01 sec)

affectedRows
INTEGER
NULL

CELL22

```
SELECT * FROM cars
```

Query Result 10 rows in set (0.00 sec)

car_id	name	brand	body_type	production_year	daily_rent_price	status	description	created_at
INTEGER	VARCHAR	VARCHAR	VARCHAR	INTEGER	NUMERIC	VARCHAR	TEXT	TIMESTAMP
4	Camry	Toyota	Sedan	2020	80.00	available	Comfortable midsize sedan.	2025-12-18 15:17:10
5	X5	BMW	SUV	2021	200.00	available	Luxury SUV with all features.	2025-12-18 15:17:10
6	Q7	Audi	SUV	2018	150.00	rented	Spacious SUV for family trips.	2025-12-18 15:17:10
8	Wrangler	Jeep	SUV	2019	140.00	available	Off-road capable SUV.	2025-12-18 15:17:10
9	A4	Audi	Sedan	2017	100.00	available	Compact luxury sedan.	2025-12-18 15:17:10
2	Mustang GT	Ford	Coupe	2021	180.00	available		2025-12-18 15:17:10
3	Civic	Honda	Sedan	2019	75.00	rented		2025-12-18 15:17:10
7	Charger	Dodge	Sedan	2020	120.00	available		2025-12-18 15:17:10
1	Model S	Tesla	Sedan	2022	250.00	rented	Electric sedan with autopilot.	2025-12-18 15:17:10
10	Model 3	Tesla	Sedan	2022	220.00	rented	Popular electric sedan.	2025-12-18 15:17:10

CELL23

Delete

CELL24

```
DELETE FROM cars
WHERE production_year <= 2018
```

Query Result 1 row affected (0.00 sec)

affectedRows
INTEGER
1

CELL25

```
SELECT * FROM cars
```

Query Result 8 rows in set (0.00 sec)

car_id	name	brand	body_type	production_year	daily_rent_price	status	description	created_at
INTEGER	VARCHAR	VARCHAR	VARCHAR	INTEGER	NUMERIC	VARCHAR	TEXT	TIMESTAMP
4	Camry	Toyota	Sedan	2020	80.00	available	Comfortable midsize sedan.	2025-12-18 15:17:10
5	X5	BMW	SUV	2021	200.00	available	Luxury SUV with all features.	2025-12-18 15:17:10
8	Wrangler	Jeep	SUV	2019	140.00	available	Off-road capable SUV.	2025-12-18 15:17:10
2	Mustang GT	Ford	Coupe	2021	180.00	available		2025-12-18 15:17:10
3	Civic	Honda	Sedan	2019	75.00	rented		2025-12-18 15:17:10
7	Charger	Dodge	Sedan	2020	120.00	available		2025-12-18 15:17:10
1	Model S	Tesla	Sedan	2022	250.00	rented	Electric sedan with autopilot.	2025-12-18 15:17:10
10	Model 3	Tesla	Sedan	2022	220.00	rented	Popular electric sedan.	2025-12-18 15:17:10

CELL26

Rentals

Create

CELL27

```
CREATE TABLE rentals (  
  rental_id INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,  
  user_id INT NOT NULL,  
  car_id INT NOT NULL,  
  start_date DATE NOT NULL,  
  end_date DATE NOT NULL,  
  status VARCHAR NOT NULL DEFAULT 'active'  
    CHECK (status IN ('active', 'completed', 'cancelled')),  
  total_price NUMERIC(12,2) NOT NULL CHECK (total_price >= 0),  
  pickup_location VARCHAR NOT NULL CHECK (pickup_location <> ''),  
  created_at TIMESTAMP NOT NULL DEFAULT NOW(),  
  
  CONSTRAINT fk_user
```

```
FOREIGN KEY(user_id) REFERENCES users(user_id) ON DELETE CASCADE,
CONSTRAINT fk_car
FOREIGN KEY(car_id) REFERENCES cars(car_id) ON DELETE CASCADE
)
```

Query Result null rows affected (0.03 sec)

affectedRows
INTEGER
NULL

CELL28

```
INSERT INTO rentals
(user_id, car_id, start_date, end_date, status, total_price, pickup_location)
VALUES
(1, 1, '2025-12-01', '2025-12-05', 'active', 1000.00, 'New York'),
(2, 3, '2025-12-03', '2025-12-06', 'active', 300.00, 'Los Angeles'),
(3, 5, '2025-12-04', '2025-12-07', 'completed', 600.00, 'Chicago'),
(5, 2, '2025-12-05', '2025-12-10', 'active', 800.00, 'Houston'),
(7, 4, '2025-12-06', '2025-12-09', 'cancelled', 400.00, 'Miami'),
(8, 7, '2025-12-07', '2025-12-12', 'active', 1200.00, 'Seattle'),
(9, 8, '2025-12-08', '2025-12-11', 'completed', 500.00, 'Boston'),
(10, 10, '2025-12-09', '2025-12-14', 'active', 1500.00, 'San Francisco'),
(1, 3, '2025-12-10', '2025-12-15', 'active', 900.00, 'Dallas'),
(2, 5, '2025-12-11', '2025-12-16', 'active', 1100.00, 'Denver');
```

Query Result 10 rows affected (0.01 sec)

affectedRows
INTEGER
10

CELL29

Read

CELL30

```
SELECT * FROM rentals
```

Query Result 10 rows in set (0.00 sec)

rental_id	user_id	car_id	start_date	end_date	status	total_price	pickup_location	created_at
INTEGER	INTEGER	INTEGER	DATE	DATE	VARCHAR	NUMERIC	VARCHAR	TIMESTAMP
1	1	1	2025-12-01	2025-12-05	active	1000.00	New York	2025-12-18 15:40:48
2	2	3	2025-12-03	2025-12-06	active	300.00	Los Angeles	2025-12-18 15:40:48
3	3	5	2025-12-04	2025-12-07	completed	600.00	Chicago	2025-12-18 15:40:48
4	5	2	2025-12-05	2025-12-10	active	800.00	Houston	2025-12-18 15:40:48
5	7	4	2025-12-06	2025-12-09	cancelled	400.00	Miami	2025-12-18 15:40:48
6	8	7	2025-12-07	2025-12-12	active	1200.00	Seattle	2025-12-18 15:40:48
7	9	8	2025-12-08	2025-12-11	completed	500.00	Boston	2025-12-18 15:40:48
8	10	10	2025-12-09	2025-12-14	active	1500.00	San Francisco	2025-12-18 15:40:48
9	1	3	2025-12-10	2025-12-15	active	900.00	Dallas	2025-12-18 15:40:48
10	2	5	2025-12-11	2025-12-16	active	1100.00	Denver	2025-12-18 15:40:48

CELL31

```
SELECT
    r.rental_id,
    u.first_name || ' ' || u.last_name AS user_name,
    c.brand || ' ' || c.name AS car_name,
    r.start_date || ' to ' || r.end_date as date,
    r.status,
    r.total_price,
    r.pickup_location
FROM rentals r
JOIN users u ON r.user_id = u.user_id
JOIN cars c ON r.car_id = c.car_id
ORDER BY r.start_date;
```

Query Result 10 rows in set (0.01 sec)

rental_id	user_name	car_name	date	status	total_price	pickup_location
INTEGER	TEXT	TEXT	TEXT	VARCHAR	NUMERIC	VARCHAR
1	Ali Ahmadi	Tesla Model S	2025-12-01 to 2025-12-05	active	1000.00	New York
2	Reza Karimi	Honda Civic	2025-12-03 to 2025-12-06	active	300.00	Los Angeles
3	Sara Mohammadi	BMW X5	2025-12-04 to 2025-12-07	completed	600.00	Chicago
4	Maryam Ebrahimi	Ford Mustang GT	2025-12-05 to 2025-12-10	active	800.00	Houston
5	Zahra Kazemi	Toyota Camry	2025-12-06 to 2025-12-09	cancelled	400.00	Miami
6	Hossein Moradi	Dodge Charger	2025-12-07 to 2025-12-12	active	1200.00	Seattle
7	Elham Safari	Jeep Wrangler	2025-12-08 to 2025-12-11	completed	500.00	Boston
8	Mehdi Jafari	Tesla Model 3	2025-12-09 to 2025-12-14	active	1500.00	San Francisco
9	Ali Ahmadi	Honda Civic	2025-12-10 to 2025-12-15	active	900.00	Dallas
10	Reza Karimi	BMW X5	2025-12-11 to 2025-12-16	active	1100.00	Denver

CELL32

Update

CELL33

```
UPDATE rentals
SET status = 'cancelled'
WHERE rental_id = 1;

UPDATE rentals
SET total_price = total_price + 100
WHERE status = 'active';
```

Query Result undefined rows affected (0.01 sec)

affectedRows
INTEGER
NULL

CELL34

```
SELECT * FROM rentals
```

Query Result 9 rows in set (0.00 sec)

rental_id	user_id	car_id	start_date	end_date	status	total_price	pickup_location	created_at
INTEGER	INTEGER	INTEGER	DATE	DATE	VARCHAR	NUMERIC	VARCHAR	TIMESTAMP
3	3	5	2025-12-04	2025-12-07	completed	600.00	Chicago	2025-12-18 15:40:48
7	9	8	2025-12-08	2025-12-11	completed	500.00	Boston	2025-12-18 15:40:48
1	1	1	2025-12-01	2025-12-05	cancelled	1000.00	New York	2025-12-18 15:40:48
2	2	3	2025-12-03	2025-12-06	active	500.00	Los Angeles	2025-12-18 15:40:48
4	5	2	2025-12-05	2025-12-10	active	1000.00	Houston	2025-12-18 15:40:48
6	8	7	2025-12-07	2025-12-12	active	1400.00	Seattle	2025-12-18 15:40:48
8	10	10	2025-12-09	2025-12-14	active	1700.00	San Francisco	2025-12-18 15:40:48
9	1	3	2025-12-10	2025-12-15	active	1100.00	Dallas	2025-12-18 15:40:48
10	2	5	2025-12-11	2025-12-16	active	1300.00	Denver	2025-12-18 15:40:48

CELL35

Delete

CELL36

```
DELETE FROM rentals
WHERE rental_id = 5;

DELETE FROM rentals
WHERE status = 'cancelled';
```

Query Result undefined rows affected (0.00 sec)

affectedRows
INTEGER
NULL

CELL37

```
SELECT * FROM rentals
```

Query Result 8 rows in set (0.00 sec)

rental_id	user_id	car_id	start_date	end_date	status	total_price	pickup_location	created_at
INTEGER	INTEGER	INTEGER	DATE	DATE	VARCHAR	NUMERIC	VARCHAR	TIMESTAMP
3	3	5	2025-12-04	2025-12-07	completed	600.00	Chicago	2025-12-18 15:40:48
7	9	8	2025-12-08	2025-12-11	completed	500.00	Boston	2025-12-18 15:40:48
2	2	3	2025-12-03	2025-12-06	active	500.00	Los Angeles	2025-12-18 15:40:48
4	5	2	2025-12-05	2025-12-10	active	1000.00	Houston	2025-12-18 15:40:48
6	8	7	2025-12-07	2025-12-12	active	1400.00	Seattle	2025-12-18 15:40:48
8	10	10	2025-12-09	2025-12-14	active	1700.00	San Francisco	2025-12-18 15:40:48
9	1	3	2025-12-10	2025-12-15	active	1100.00	Dallas	2025-12-18 15:40:48
10	2	5	2025-12-11	2025-12-16	active	1300.00	Denver	2025-12-18 15:40:48

CELL38

Payments

Create

CELL39

```
CREATE TABLE payments (  
  payment_id INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,  
  rental_id INT NOT NULL,  
  amount NUMERIC(12,2) NOT NULL CHECK (amount >= 0),  
  payment_date TIMESTAMP NOT NULL DEFAULT NOW(),  
  status VARCHAR NOT NULL DEFAULT 'pending'  
  CHECK (status IN ('pending', 'completed', 'failed'))),
```

```
payment_method VARCHAR NOT NULL CHECK (payment_method IN ('card', 'cash', 'online')),
CONSTRAINT fk_rental
FOREIGN KEY(rental_id) REFERENCES rentals(rental_id) ON DELETE CASCADE
);
```

Query Result null rows affected (0.02 sec)

affectedRows
INTEGER
NULL

CELL40

Insert

CELL41

```
INSERT INTO payments
(rental_id, amount, payment_date, status, payment_method)
VALUES
(9, 500.00, '2025-12-01 10:00', 'completed', 'card'),
(10, 500.00, '2025-12-02 10:00', 'completed', 'card'),
(2, 300.00, '2025-12-03 11:00', 'completed', 'cash'),
(3, 600.00, '2025-12-04 09:30', 'completed', 'online'),
(4, 400.00, '2025-12-05 14:00', 'pending', 'card'),
(8, 200.00, '2025-12-06 13:00', 'failed', 'online'),
(6, 1200.00, '2025-12-07 15:30', 'completed', 'cash'),
(7, 500.00, '2025-12-08 12:00', 'completed', 'card'),
(8, 1500.00, '2025-12-09 16:00', 'pending', 'online'),
(9, 900.00, '2025-12-10 09:00', 'completed', 'card');
```

Query Result 10 rows affected (0.01 sec)

affectedRows
INTEGER
10

CELL42

```
SELECT * FROM payments
```

Query Result 10 rows in set (0.00 sec)

payment_id	rental_id	amount	payment_date	status	payment_method
INTEGER	INTEGER	NUMERIC	TIMESTAMP	VARCHAR	VARCHAR
1	9	500.00	2025-12-01 10:00:00	completed	card
2	10	500.00	2025-12-02 10:00:00	completed	card
3	2	300.00	2025-12-03 11:00:00	completed	cash
4	3	600.00	2025-12-04 09:30:00	completed	online
5	4	400.00	2025-12-05 14:00:00	pending	card
6	8	200.00	2025-12-06 13:00:00	failed	online
7	6	1200.00	2025-12-07 15:30:00	completed	cash
8	7	500.00	2025-12-08 12:00:00	completed	card
9	8	1500.00	2025-12-09 16:00:00	pending	online
10	9	900.00	2025-12-10 09:00:00	completed	card

CELL43

```
DROP TABLE payments
```

Query Result null rows affected (0.01 sec)

affectedRows
INTEGER
NULL

CELL44

```
SELECT *
FROM payments
WHERE status = 'completed';
```

Query Result 7 rows in set (0.01 sec)

payment_id	rental_id	amount	payment_date	status	payment_method
INTEGER	INTEGER	NUMERIC	TIMESTAMP	VARCHAR	VARCHAR
1	9	500.00	2025-12-01 10:00:00	completed	card
2	10	500.00	2025-12-02 10:00:00	completed	card
3	2	300.00	2025-12-03 11:00:00	completed	cash
4	3	600.00	2025-12-04 09:30:00	completed	online
7	6	1200.00	2025-12-07 15:30:00	completed	cash
8	7	500.00	2025-12-08 12:00:00	completed	card
10	9	900.00	2025-12-10 09:00:00	completed	card

CELL45

Update

CELL46

```
UPDATE payments
SET status = 'completed'
WHERE status = 'pending';

UPDATE payments
SET amount = amount * 1.05
WHERE payment_method = 'card';
```

Query Result undefined rows affected (0.01 sec)

affectedRows
INTEGER
NULL

CELL47

```
SELECT * FROM payments
```

Query Result 10 rows in set (0.00 sec)

payment_id	rental_id	amount	payment_date	status	payment_method
INTEGER	INTEGER	NUMERIC	TIMESTAMP	VARCHAR	VARCHAR
3	2	300.00	2025-12-03 11:00:00	completed	cash
4	3	600.00	2025-12-04 09:30:00	completed	online
6	8	200.00	2025-12-06 13:00:00	failed	online
7	6	1200.00	2025-12-07 15:30:00	completed	cash
9	8	1500.00	2025-12-09 16:00:00	completed	online
1	9	525.00	2025-12-01 10:00:00	completed	card
2	10	525.00	2025-12-02 10:00:00	completed	card
8	7	525.00	2025-12-08 12:00:00	completed	card
10	9	945.00	2025-12-10 09:00:00	completed	card
5	4	420.00	2025-12-05 14:00:00	completed	card

CELL48

Delete

CELL49

```
DELETE FROM payments
WHERE status = 'failed';
```

```
DELETE FROM payments
WHERE rental_id = 4;
```

Query Result undefined rows affected (0.01 sec)

affectedRows
INTEGER
NULL

CELL50

SELECT * FROM payments

Query Result 8 rows in set (0.00 sec)

payment_id	rental_id	amount	payment_date	status	payment_method
INTEGER	INTEGER	NUMERIC	TIMESTAMP	VARCHAR	VARCHAR
3	2	300.00	2025-12-03 11:00:00	completed	cash
4	3	600.00	2025-12-04 09:30:00	completed	online
7	6	1200.00	2025-12-07 15:30:00	completed	cash
9	8	1500.00	2025-12-09 16:00:00	completed	online
1	9	525.00	2025-12-01 10:00:00	completed	card
2	10	525.00	2025-12-02 10:00:00	completed	card
8	7	525.00	2025-12-08 12:00:00	completed	card
10	9	945.00	2025-12-10 09:00:00	completed	card



This report was generated at 2025-12-18 16:03 in [Database notebook](#)
c:\Users\AmirAli\OneDrive\1603_1218\دسکتاب_Untitled-1.dbn.html