

USE property_management2;

The agent, buyer, and seller tables store details about each person involved in the buying and selling process.

-- Create agent table

```
CREATE TABLE agent (  
  agent_id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,  
  name VARCHAR(50) NOT NULL,  
  email VARCHAR(100) NOT NULL,  
  phone VARCHAR(20) NOT NULL  
);
```

-- Create buyer table

```
CREATE TABLE buyer (  
  buyer_id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,  
  name VARCHAR(50) NOT NULL,  
  email VARCHAR(100) NOT NULL,  
  phone VARCHAR(20) NOT NULL  
);
```

-- Create seller table

```
CREATE TABLE seller (  
  seller_id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,  
  name VARCHAR(50) NOT NULL,  
  email VARCHAR(100) NOT NULL,  
  phone VARCHAR(20) NOT NULL  
);
```

-- Create property table

The property table stores details about each property, including the status (which can be changed to "SOLD" or "WITHDRAWN"), and a foreign key reference to the seller table.

```
CREATE TABLE property (  
  property_id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,  
  address VARCHAR(150) UNIQUE,  
  postcode VARCHAR(10),  
  price INT NOT NULL,  
  status ENUM('FOR SALE', 'SOLD', 'WITHDRAWN') DEFAULT 'FOR SALE',  
  seller_id INT NOT NULL,  
  FOREIGN KEY (seller_id) REFERENCES seller(seller_id)  
);
```

-- Create viewing table

The viewing table tracks scheduled viewings for each property, including the agent and buyer involved and the specific time slot chosen.

```
CREATE TABLE viewing (  
  viewing_id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
```

```

property_id INT NOT NULL,
agent_id INT NOT NULL,
buyer_id INT NOT NULL,
viewing_time DATETIME NOT NULL,
CONSTRAINT property_fk FOREIGN KEY (property_id) REFERENCES
property(property_id),
CONSTRAINT agent_fk FOREIGN KEY (agent_id) REFERENCES agent(agent_id),
CONSTRAINT buyer_fk FOREIGN KEY (buyer_id) REFERENCES buyer(buyer_id)
);

```

Feature Manage Property

Scenario: Add Property

- Add in the property using INSERT INTO property (address, postcode, price, status, seller_id) and VALUES.
- If a duplicate property tries to get added, the code will return a 'Duplicate entry' error.
- If it does not exist, it will be added to the data catalogue stored in the property table.

The screenshot shows the MySQL Workbench interface. The SQL Editor contains the following query:

```

1 use property_management2;
2
3 INSERT INTO property (address, postcode, price, status, seller_id)
4 VALUES ('123 Main St', 'AB12 3CD', 200000, 'FOR SALE', 1);

```

The Output tab shows the execution results:

#	Time	Action	Message	Duration / Fetch
194	11:42:30	INSERT INTO property (address, postcode, price, status, seller_id) VALUES (1...	Error Code: 1452. Cannot add or update a child row: a foreign key constraint fa...	0.000 sec
195	11:43:31	use property_management2	0 row(s) affected	0.000 sec
196	11:43:31	INSERT INTO seller (name, email, phone) VALUES (John Doe', 'johndoe@exa...	20 row(s) affected Records: 20 Duplicates: 0 Warnings: 0	0.016 sec
197	11:43:43	use property_management2	0 row(s) affected	0.000 sec
198	11:43:43	INSERT INTO property (address, postcode, price, status, seller_id) VALUES (1...	20 row(s) affected Records: 20 Duplicates: 0 Warnings: 0	0.000 sec
199	11:44:41	use property_management2	0 row(s) affected	0.000 sec
200	11:44:41	INSERT INTO viewing (property_id, agent_id, buyer_id, view_date, view_jm...	Error Code: 1054. Unknown column 'view_date' in field list	0.000 sec
201	11:46:46	use property_management2	0 row(s) affected	0.000 sec
202	11:46:46	INSERT INTO viewing (property_id, agent_id, buyer_id, viewing_time) VALUE...	Error Code: 1452. Cannot add or update a child row: a foreign key constraint fa...	0.000 sec
203	11:50:03	use property_management2	0 row(s) affected	0.000 sec
204	11:50:03	SELECT TABLE_NAME, CONSTRAINT_TYPE, CONSTRAINT_NAME FROM...	4 row(s) returned	0.000 sec / 0.000 sec
205	11:50:52	use property_management2	0 row(s) affected	0.000 sec
206	11:50:52	SELECT * FROM property LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
207	11:50:52	SELECT TABLE_NAME, CONSTRAINT_TYPE, CONSTRAINT_NAME FROM...	4 row(s) returned	0.000 sec / 0.000 sec
208	11:52:05	use property_management2	0 row(s) affected	0.000 sec
209	11:52:05	INSERT INTO viewing (property_id, agent_id, buyer_id, viewing_time) VALUE...	20 row(s) affected Records: 20 Duplicates: 0 Warnings: 0	0.000 sec
210	12:01:26	use property_management2	0 row(s) affected	0.000 sec
211	12:01:26	INSERT INTO property VALUES (123 Main St', 'AB12 3CD', 200000, 'FOR SA...	Error Code: 1136. Column count doesn't match value count at row 1	0.000 sec
212	12:03:09	use property_management2	0 row(s) affected	0.000 sec
213	12:03:09	INSERT INTO property (address, postcode, price, status, seller_id) VALUES (1...	Error Code: 1062. Duplicate entry '123 Main St' for key 'property address'	0.000 sec

Scenario: Find Properties

- Properties with corresponding criteria are returned by using different statements, shown in the screenshots:

1: Properties for sale

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

example

movies

petstore

property_management

property_management2

Tables

agent

buyer

property

Columns

Indexes

Foreign Keys

Triggers

seller

viewing

Views

Stored Procedures

Functions

sakila

sys

world

Administration Schemas

Information

Table: property

Columns:

property_id int AI PK

address varchar(150)

postcode varchar(10)

price int

status enum('FOR SALE','SOLD','WITH

seller_id int

example* world* SQL File 4*

Limit to 1000 rows

1 use property_management2;

2

3 SELECT * FROM property WHERE status = 'FOR SALE';

4

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid

Filter Rows:

property_id address postcode price status seller_id

21 123 Main St AB12 3CD 200000 FOR SALE 1

22 456 Oak St EF45 6GH 300000 FOR SALE 2

23 789 Pine St IJ78 9KL 400000 FOR SALE 3

27 1617 Cedar St YZ12 3AB 225000 FOR SALE 7

28 1819 Spruce St CD45 6EF 375000 FOR SALE 8

29 2021 Oakwood Dr GH78 9IJ 325000 FOR SALE 9

31 2425 Maplewood Ave OP45 6QR 350000 FOR SALE 11

32 2627 Birchwood Ln ST78 9UV 400000 FOR SALE 12

35 3233 Oakdale Ave EF78 9GH 375000 FOR SALE 15

36 3435 Pinetree Blvd IJ12 3OP 325000 FOR SALE 16

37 3637 Maplehurst Rd MN45 6QR 275000 FOR SALE 17

40 4243 Sprucewood Ln CD45 6EF 275000 FOR SALE 20

NULL NULL NULL NULL NULL NULL

Form Editor

Field Types

Query State

Execution Plan

property 4 x

Apply Revert Context Help Snippets

Output

Action Output

Time Action Message Duration / Fetch

196 11:43:31 INSERT INTO seller (name, email, phone) VALUES ('John Doe', 'johndoe@exa... 20 row(s) affected Records: 20 Duplicates: 0 Warnings: 0 0.016 sec

197 11:43:43 use property_management2 0 row(s) affected 0.000 sec

198 11:43:43 INSERT INTO property (address, postcode, price, status, seller_id) VALUES (1... 20 row(s) affected Records: 20 Duplicates: 0 Warnings: 0 0.000 sec

199 11:44:41 use property_management2 0 row(s) affected 0.000 sec

200 11:44:41 INSERT INTO viewing (property_id, agent_id, buyer_id, view_date, view_tim... Error Code: 1054. Unknown column 'view_date' in field list' 0.000 sec

201 11:46:46 use property_management2 0 row(s) affected 0.000 sec

202 11:46:46 INSERT INTO viewing (property_id, agent_id, buyer_id, viewing_time) VALUE... Error Code: 1452. Cannot add or update a child row: a foreign key constraint fa... 0.000 sec

203 11:50:03 use property_management2 0 row(s) affected 0.000 sec

204 11:50:03 SELECT TABLE_NAME, CONSTRAINT_TYPE, CONSTRAINT_NAME FROM... 4 row(s) returned 0.000 sec / 0.000 sec

205 11:50:52 use property_management2 0 row(s) affected 0.000 sec

Object Info

Session

2: Properties with a price greater than or equal to 300,000

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator example* world2* SQL File 4* Limit to 1000 rows

SCHEMAS

Filter objects

- example
- movies
- petstore
- property_management
- property_management2
 - Tables
 - agent
 - buyer
 - property
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - seller
 - viewing
 - Views
 - Stored Procedures
 - Functions
- sakila
- sys
- world

Administration Schemas

Information

Table: **property**

Columns:

- property_id** int AI PK
- address** varchar(150)
- postcode** varchar(10)
- price** int
- status** enum('FOR SALE','SOLD','WITH')
- seller_id** int

SQL Editor

```
1 use property_management2;
2
3 SELECT * FROM property WHERE price >= 300000;
4
5
```

Result Grid

property_id	address	postcode	price	status	seller_id
22	456 Oak St	EF45 6GH	300000	FOR SALE	2
23	789 Pine St	IJ78 9KL	400000	FOR SALE	3
25	1213 Maple St	QR45 6ST	350000	SOLD	5
28	1819 Spruce St	CD45 6EF	375000	FOR SALE	8
29	2021 Oakwood Dr	GH78 9IJ	325000	FOR SALE	9
31	2425 Maplewood Ave	OP45 6QR	350000	FOR SALE	11
32	2627 Birchwood Ln	ST78 9UV	400000	FOR SALE	12
35	3233 Oakdale Ave	EF78 9GH	375000	FOR SALE	15
36	3435 Pinetree Blvd	IJ12 3OP	325000	FOR SALE	16
38	3839 Birch Hill Dr	ST78 9WX	350000	SOLD	18
39	4041 Cedarwood Ct	YZ12 3AB	325000	SOLD	19
NULL	NULL	NULL	NULL	NULL	NULL

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

property 6 x

Output

#	Time	Action	Message	Duration / Fetch
210	12:01:26	use property_management2	0 row(s) affected	0.000 sec
211	12:01:26	INSERT INTO property VALUES ('123 Main St', 'AB12 3CD', 200000, 'FOR SA...	Error Code: 1136. Column count doesn't match value count at row 1	0.000 sec
212	12:03:09	use property_management2	0 row(s) affected	0.000 sec
213	12:03:09	INSERT INTO property (address, postcode, price, status, seller_id) VALUES (1...	Error Code: 1062. Duplicate entry '123 Main St' for key 'property address'	0.000 sec
214	12:08:24	use property_management2	0 row(s) affected	0.000 sec
215	12:08:24	SELECT * FROM property WHERE status = 'FOR SALE' LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec
216	12:10:28	use property_management2	0 row(s) affected	0.000 sec
217	12:10:28	SELECT * FROM property WHERE price >= 500000 LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
218	12:10:47	use property_management2	0 row(s) affected	0.000 sec
219	12:10:47	SELECT * FROM property WHERE price >= 300000 LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

3: Properties that have a postcode starting with ST

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'property_management2' expanded, showing tables like 'agent', 'buyer', 'property', 'seller', and 'viewing'. The main editor shows a SQL query: `use property_management2;` followed by `SELECT * FROM property WHERE postcode LIKE 'ST%';`. The 'Result Grid' below the query shows two rows of data:

property_id	address	postcode	price	status	seller_id
32	2627 Birchwood Ln	ST78 9UV	400000	FOR SALE	12
38	3839 Birch Hill Dr	ST78 9WX	350000	SOLD	18

The bottom panel shows the 'Action Output' tab with a log of database actions and their results, including the execution of the query and the number of rows affected or returned.

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Scenario: Withdraw Property that is NOT SOLD

- To change a property's status to WITHDRAWN using my property table, I have used the UPDATE command followed by setting the status and entering the property parameters.
- This checks that the property exists, the property has the status FOR SALE, and then changed that status to WITHDRAWN if both parameters are met.

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'property_management2' selected. The central editor shows a SQL script with five lines: 1. 'use property_management2;', 2. 'UPDATE property', 3. 'SET status = 'WITHDRAWN'', 4. 'WHERE property_id = 22 AND status != 'FOR SOLD';', and 5. An empty line. The right sidebar contains a message: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.' The bottom pane shows the 'Output' tab with a table of execution results.

#	Time	Action	Message	Duration / Fetch
205	11:50:52	use property_management2	0 row(s) affected	0.000 sec
206	11:50:52	SELECT * FROM property LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
207	11:50:52	SELECT TABLE_NAME, CONSTRAINT_TYPE, CONSTRAINT_NAME FROM...	4 row(s) returned	0.000 sec / 0.000 sec
208	11:52:05	use property_management2	0 row(s) affected	0.000 sec
209	11:52:05	INSERT INTO viewing (property_id, agent_id, buyer_id, viewing_time) VALUE...	20 row(s) affected Records: 20 Duplicates: 0 Warnings: 0	0.000 sec
210	12:01:26	use property_management2	0 row(s) affected	0.000 sec
211	12:01:26	INSERT INTO property VALUES ('123 Main St', 'AB12 3CD', 200000, 'FOR SA...	Error Code: 1136. Column count doesn't match value count at row 1	0.000 sec
212	12:03:09	use property_management2	0 row(s) affected	0.000 sec
213	12:03:09	INSERT INTO property (address, postcode, price, status, seller_id) VALUES (1...	Error Code: 1062 Duplicate entry '123 Main St' for key 'property address'	0.000 sec
214	12:08:24	use property_management2	0 row(s) affected	0.000 sec
215	12:08:24	SELECT * FROM property WHERE status = 'FOR SALE' LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec
216	12:10:28	use property_management2	0 row(s) affected	0.000 sec
217	12:10:28	SELECT * FROM property WHERE price >= 500000 LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
218	12:10:47	use property_management2	0 row(s) affected	0.000 sec
219	12:10:47	SELECT * FROM property WHERE price >= 300000 LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
220	12:12:03	use property_management2	0 row(s) affected	0.000 sec
221	12:12:03	SELECT * FROM property WHERE postcode LIKE 'SW1%' LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
222	12:12:19	use property_management2	0 row(s) affected	0.000 sec
223	12:12:19	SELECT * FROM property WHERE postcode LIKE 'ST%'; LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
224	12:17:26	use property_management2	0 row(s) affected	0.000 sec
225	12:17:26	UPDATE property SET status = 'WITHDRAWN' WHERE property_id = 22 AN...	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec

Scenario: Withdraw property that is SOLD

- To withdraw a property that is already sold, the following procedure was used.
- It checks if the property already exists and checks that the property is not sold.
- Then it tries to change a sold property to withdrawn, and if the property status is sold, it returns the error '406 Property is already sold' (seen in the second screenshot).

MySQL Workbench

Local instance MySQL80 (pro... x Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

example* world2* SQL File 4* SQL File 5* SQL File 6* SQL File 7* x SQL File 8*

Limit to 1000 rows

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

Navigation

SCHEMAS

Filter objects

- example
- movies
- petstore
- property_management
- property_management2
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 - property
 - Columns
 - property_id
 - address
 - postcode
 - price
 - status
 - seller_id
 - Indexes
 - Foreign Keys
 - Triggers
 - seller
 - viewing
 - Columns
 - viewing_id
 - property_id
 - agent_id
 - buyer_id
 - viewing_time
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- sakila
- sys
- world

Administration Schemas

Information

No object selected

Object Info Session

Query Completed

```
1 use property_management2;
2
3 DELIMITER //
4
5 CREATE PROCEDURE withdrawProperty(IN paramID INT)
6 BEGIN
7 DECLARE pstatus VARCHAR(50); -- Declare a variable to store property status
8 DECLARE checkExist INT;
9 SELECT COUNT(*) INTO checkExist FROM property WHERE property_ID = paramID;
10 -- Get property status
11 SELECT status INTO pstatus FROM property WHERE property_id = paramID;
12 --
13 IF checkExist = 1 THEN
14 IF pstatus = 'SOLD' THEN
15 SELECT 'Property is already sold' AS 'Reason', 406 AS 'Status' FROM property WHERE property_id = paramID;
16 ELSE
17 UPDATE property
18 SET
19 status = 'WITHDRAWN'
20 WHERE
21 property_id = paramID;
22 END IF;
23 ELSE
24 SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'This property does not exist.';
25 SELECT 'Property does not exist' AS 'Reason', 406 AS 'Status';
26
27 END IF;
28
29 END //
30
31 DELIMITER ;
32
33
34 CALL withdrawProperty(33);
```

Output

#	Time	Action	Message	Duration / Fetch
270	14:17:11	use property_management2	0 row(s) affected	0.000 sec
271	14:17:11	CALL withdrawProperty(23)	Error Code: 1146. Table 'property_management2.properties' doesn't exist	0.000 sec
272	14:20:19	use property_management2	0 row(s) affected	0.000 sec
273	14:20:19	DROP PROCEDURE withdrawProperty	0 row(s) affected	0.016 sec
274	14:20:23	use property_management2	0 row(s) affected	0.000 sec
275	14:20:23	CREATE PROCEDURE withdrawProperty(IN paramID INT) BEGIN DECLARE p...	0 row(s) affected	0.000 sec
276	14:20:23	CALL withdrawProperty(23)	Error Code: 1054. Unknown column 'property_status' in field list	0.000 sec
277	14:21:01	use property_management2	0 row(s) affected	0.000 sec
278	14:21:01	DROP PROCEDURE withdrawProperty	0 row(s) affected	0.000 sec
279	14:21:33	use property_management2	0 row(s) affected	0.000 sec
280	14:21:33	CREATE PROCEDURE withdrawProperty(IN paramID INT) BEGIN DECLARE p...	0 row(s) affected	0.000 sec
281	14:21:33	CALL withdrawProperty(23)	1 row(s) affected	0.000 sec
282	14:22:10	SELECT * FROM property LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
283	14:22:28	use property_management2	0 row(s) affected	0.000 sec
284	14:22:28	CALL withdrawProperty(33)	1 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 (pro... x Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator example* world2* SQL File 4* SQL File 5* SQL File 6* SQL File 7* SQL File 8* SQLAdditions

SCHEMAS

Filter objects

example
movies
petstore
property_management
property_management2

Tables

agent
buyer
property

Columns

property_id
address
postcode
price
status
seller_id

Indexes
Foreign Keys
Triggers

seller
viewing

Columns

viewing_id
property_id
agent_id
buyer_id
viewing_time

Indexes
Foreign Keys
Triggers

Views
Stored Procedures
Functions

sakila
sys
world

Administration Schemas

Information

No object selected

Result Grid

Filter Rows: Exports: Wrap Cell Content: I

Reason Status

Property is already sold 406

Result Grid
Form Editor
Field Types
Query Stats

Read Only Context Help Shippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
270	14:17:11	use property_management2	0 row(s) affected	0.000 sec
271	14:17:11	CALL withdrawProperty(23)	Error Code: 1146. Table 'property_management2.properties' doesn't exist	0.000 sec
272	14:20:19	use property_management2	0 row(s) affected	0.000 sec
273	14:20:19	DROP PROCEDURE withdrawProperty	0 row(s) affected	0.016 sec
274	14:20:23	use property_management2	0 row(s) affected	0.000 sec
275	14:20:23	CREATE PROCEDURE withdrawProperty(IN paramID INT) BEGIN DECLARE p...	0 row(s) affected	0.000 sec
276	14:20:23	CALL withdrawProperty(23)	Error Code: 1054. Unknown column 'property_status' in field list	0.000 sec
277	14:21:01	use property_management2	0 row(s) affected	0.000 sec
278	14:21:01	DROP PROCEDURE withdrawProperty	0 row(s) affected	0.000 sec
279	14:21:33	use property_management2	0 row(s) affected	0.000 sec
280	14:21:33	CREATE PROCEDURE withdrawProperty(IN paramID INT) BEGIN DECLARE p...	0 row(s) affected	0.000 sec
281	14:21:33	CALL withdrawProperty(23)	1 row(s) affected	0.000 sec
282	14:22:10	SELECT * FROM property LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
283	14:22:28	use property_management2	0 row(s) affected	0.000 sec
284	14:22:28	CALL withdrawProperty(33)	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Scenario: Resubmit property that has been WITHDRAWN

- To resubmit a property that has been withdrawn , I used the UPDATE command followed by setting the status and entering the property parameters.
- This checks if the property exists, if it has been withdrawn, and then resubmits the property with the status 'FOR SALE'.

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

example* world2* SQL File 4*

Limit to 1000 rows

1 use property_management2;
2 UPDATE property
3 SET status = 'FOR SALE';
4 WHERE property_id = 22 AND status = 'WITHDRAWN';
5

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
207	11:50:52	SELECT TABLE_NAME, CONSTRAINT_TYPE, CONSTRAINT_NAME FROM...	4 row(s) returned	0.000 sec / 0.000 sec
208	11:52:05	use property_management2	0 row(s) affected	0.000 sec
209	11:52:05	INSERT INTO viewing (property_id, agent_id, buyer_id, viewing_time) VALUE...	20 row(s) affected Records: 20 Duplicates: 0 Warnings: 0	0.000 sec
210	12:01:26	use property_management2	0 row(s) affected	0.000 sec
211	12:01:26	INSERT INTO property VALUES ('123 Main St', 'AB12 3CD', 200000, 'FOR SA...	Error Code: 1136. Column count doesn't match value count at row 1	0.000 sec
212	12:03:09	use property_management2	0 row(s) affected	0.000 sec
213	12:03:09	INSERT INTO property (address, postcode, price, status, seller_id) VALUES (1...	Error Code: 1062. Duplicate entry '123 Main St' for key 'property.address'	0.000 sec
214	12:08:24	use property_management2	0 row(s) affected	0.000 sec
215	12:08:24	SELECT * FROM property WHERE status = 'FOR SALE' LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec
216	12:10:28	use property_management2	0 row(s) affected	0.000 sec
217	12:10:28	SELECT * FROM property WHERE price >= 500000 LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
218	12:10:47	use property_management2	0 row(s) affected	0.000 sec
219	12:10:47	SELECT * FROM property WHERE price >= 300000 LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
220	12:12:03	use property_management2	0 row(s) affected	0.000 sec
221	12:12:03	SELECT * FROM property WHERE postcode LIKE 'SW1%' LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
222	12:12:19	use property_management2	0 row(s) affected	0.000 sec
223	12:12:19	SELECT * FROM property WHERE postcode LIKE 'ST%' LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
224	12:17:26	use property_management2	0 row(s) affected	0.000 sec
225	12:17:26	UPDATE property SET status = 'WITHDRAWN' WHERE property_id = 22 AN...	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
226	12:25:13	use property_management2	0 row(s) affected	0.000 sec
227	12:25:13	UPDATE property SET status = 'FOR SALE' WHERE property_id = 22 AND st...	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec

Table: property

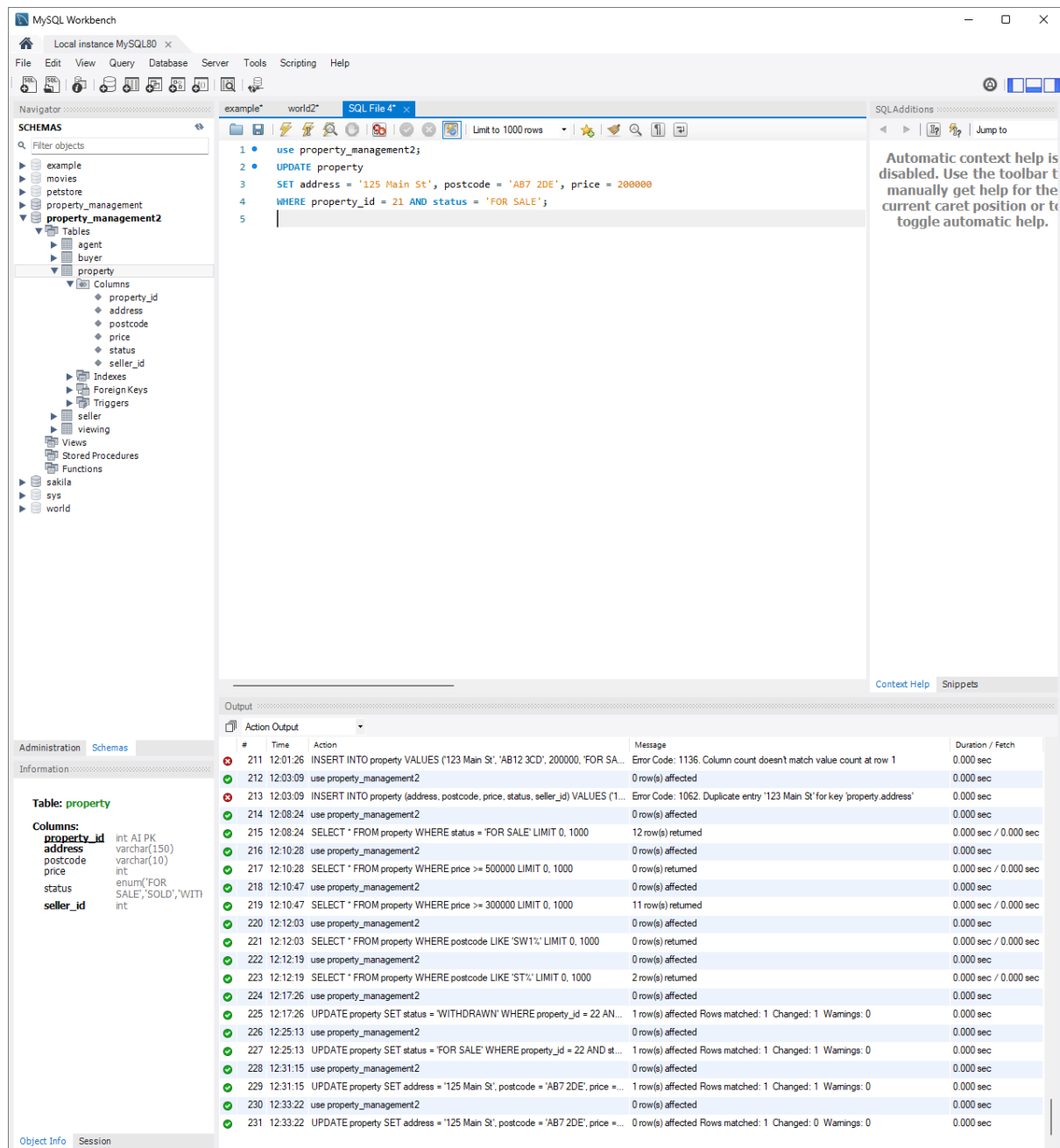
Columns:

- property_id int AI PK
- address varchar(150)
- postcode varchar(10)
- price int
- status enum('FOR SALE','SOLD','WITHDRAWN')
- seller_id int

Object Info Session

Scenario: Amend property details

- To amend the property details, I have used the UPDATE command followed by SET and the new details and WHERE to change the correct property
- This checks that the property exists, and the status is also for sale, then the property details are updated.



Feature: Book Viewing

Scenario: Slot and Agent are available

- For this scenario I have used different commands to check if a slot and agent are available, if no active viewing exists, if a property status is FOR SALE, if a buyer is registered and if a viewing is requested
- If no viewing exists for the given data, the database returns 0 and an appointment can be created.

MySQL Workbench

Local instance MySQL80 (pro...) Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator example* world2* SQL File 4* SQL File 5* SQL File 6*

SCHEMAS

Filter objects

- example
- movies
- petstore
- property_management
- property_management2
 - Tables
 - agent
 - buyer
 - property
 - viewing
 - Columns
 - property_id
 - address
 - postcode
 - price
 - status
 - seller_id
 - Indexes
 - Foreign Keys
 - Triggers
- seller
- viewing
 - Columns
 - viewing_id
 - property_id
 - agent_id
 - buyer_id
 - viewing_time
 - Indexes
 - Foreign Keys
 - Triggers

- Views
- Stored Procedures
- Functions
- sakila
- sys
- world

Administration Schemas

Information

Schema: world

Object Info Session

Query Completed

```

1 use property_management2;
2
3 -- to check that if a slot and agent are available
4 -- if no active viewing exists
5 -- if property status is FOR SALE
6 -- if buyer is registered
7 -- if a viewing is requested
8 SELECT COUNT(*)
9 FROM viewing
10 INNER JOIN property ON viewing.property_id = property.property_id
11 WHERE property.property_id = 28
12 AND property.status = 'FOR SALE'
13 AND viewing.viewing_time = '2023-05-06 13:00:00'
14 AND viewing.agent_id = 20
15 AND viewing.buyer_id IN (SELECT buyer_id FROM buyer WHERE name = 'Bob Johnson' AND email = 'bob.johns...
16 AND NOT EXISTS (
17     SELECT * FROM viewing
18     WHERE viewing.property_id = property.property_id
19     AND viewing.viewing_time = '2023-05-06 13:00:00'
20     AND viewing.agent_id = 20
21     -- AND viewing.viewing_id <> <viewing_id> -- exclude the current viewing if updating
22 )
23

```

Result Grid

COUNT(*)
0

Result 9 x

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
231	12:33:22	UPDATE property SET address = '125 Main St', postcode = 'AB7 2DE', price = ...	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
232	12:41:47	use property_management2	0 row(s) affected	0.000 sec
233	12:41:47	SELECT COUNT(*) FROM viewing WHERE agent_id = <agent_id> AND viewi...	Error Code: 1064. You have an error in your SQL syntax; check the manual tha...	0.000 sec
234	12:48:43	use property_management2	0 row(s) affected	0.000 sec
235	12:48:43	SELECT COUNT(*) AS count FROM viewing v INNER JOIN agent a ON v.age...	Error Code: 1146. Table 'property_management2.booking' doesn't exist	0.016 sec
236	13:18:53	use property_management2	0 row(s) affected	0.000 sec
237	13:18:53	INSERT INTO buyer (name, email, phone) VALUES (Michael Scott, 'michaels...	1 row(s) affected	0.000 sec
238	13:20:54	use property_management2	0 row(s) affected	0.000 sec
239	13:20:54	INSERT INTO buyer (name, email, phone) SELECT Dwight Schrute, 'dwightsc...	1 row(s) affected Records: 1 Duplicates: 0 Warnings: 0	0.000 sec
240	13:22:57	use property_management2	0 row(s) affected	0.000 sec
241	13:22:57	INSERT INTO seller (name, email, phone) SELECT Pam Beesley, 'pambeesley...	1 row(s) affected Records: 1 Duplicates: 0 Warnings: 0	0.000 sec
242	13:37:52	use property_management2	0 row(s) affected	0.000 sec
243	13:37:52	SELECT COUNT(*) FROM viewing INNER JOIN property ON viewing propert...	Error Code: 1064. You have an error in your SQL syntax; check the manual tha...	0.000 sec
244	13:42:06	SELECT * FROM viewing LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
245	13:43:47	SELECT * FROM agent LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
246	13:48:28	use property_management2	0 row(s) affected	0.000 sec
247	13:48:28	SELECT COUNT(*) FROM viewing INNER JOIN property ON viewing propert...	Error Code: 1525. Incorrect DATETIME value: '2023-21-04 11:00:00'	0.000 sec
248	13:49:01	use property_management2	0 row(s) affected	0.000 sec
249	13:49:01	SELECT COUNT(*) FROM viewing INNER JOIN property ON viewing propert...	Error Code: 1525. Incorrect DATETIME value: '2023-21-04 11:00:00'	0.000 sec
250	13:49:16	use property_management2	0 row(s) affected	0.000 sec
251	13:49:16	SELECT COUNT(*) FROM viewing INNER JOIN property ON viewing propert...	1 row(s) returned	0.000 sec / 0.000 sec

- To create a viewing, I have used the below code after checking the viewing does not already exist.
- If it does not exist, the viewing is created and inserted into the viewing table.

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'property_management2' selected. The central editor shows a SQL query in 'SQL File 6':

```

1 use property_management2;
2 INSERT INTO viewing (property_id, agent_id, buyer_id, viewing_time)
3 VALUES (28, 20, 3, '2023-05-06 13:00:00');
4

```

The right sidebar shows a message: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help."

The bottom panel shows the 'Output' tab with the 'Action Output' view. It displays a table of execution results:

#	Time	Action	Message	Duration / Fetch
236	13:18:53	use property_management2	0 row(s) affected	0.000 sec
237	13:18:53	INSERT INTO buyer (name, email, phone) VALUES ('Michael Scott', 'michaelsco...')	1 row(s) affected	0.000 sec
238	13:20:54	use property_management2	0 row(s) affected	0.000 sec
239	13:20:54	INSERT INTO buyer (name, email, phone) SELECT 'Dwight Schrute', 'dwightschr...	1 row(s) affected Records: 1 Duplicates: 0 Warnings: 0	0.000 sec
240	13:22:57	use property_management2	0 row(s) affected	0.000 sec
241	13:22:57	INSERT INTO seller (name, email, phone) SELECT 'Pam Beesley', 'pambeesley...	1 row(s) affected Records: 1 Duplicates: 0 Warnings: 0	0.000 sec
242	13:37:52	use property_management2	0 row(s) affected	0.000 sec
243	13:37:52	SELECT COUNT(*) FROM viewing INNER JOIN property ON viewing.property...	Error Code: 1064. You have an error in your SQL syntax; check the manual that ...	0.000 sec
244	13:42:06	SELECT * FROM viewing LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
245	13:43:47	SELECT * FROM agent LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
246	13:48:28	use property_management2	0 row(s) affected	0.000 sec
247	13:48:28	SELECT COUNT(*) FROM viewing INNER JOIN property ON viewing.property...	Error Code: 1525. Incorrect DATETIME value: '2023-21-04 11:00:00'	0.000 sec
248	13:49:01	use property_management2	0 row(s) affected	0.000 sec
249	13:49:01	SELECT COUNT(*) FROM viewing INNER JOIN property ON viewing.property...	Error Code: 1525. Incorrect DATETIME value: '2023-21-04 11:00:00'	0.000 sec
250	13:49:16	use property_management2	0 row(s) affected	0.000 sec
251	13:49:16	SELECT COUNT(*) FROM viewing INNER JOIN property ON viewing.property...	1 row(s) returned	0.000 sec / 0.000 sec
252	13:55:50	SELECT * FROM property LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
253	13:56:10	SELECT * FROM agent LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
254	13:56:48	SELECT * FROM buyer LIMIT 0, 1000	22 row(s) returned	0.000 sec / 0.000 sec
255	13:57:13	use property_management2	0 row(s) affected	0.000 sec
256	13:57:13	INSERT INTO viewing (property_id, agent_id, buyer_id, viewing_time) VALUES ...	1 row(s) affected	0.000 sec

Scenario: Time Slot not available

- For this scenario I created a procedure to check if a viewing already exists for a given property and timeslot, and returns an error if it does.
- In the second screenshot, you can see that as the viewing already exists for the given parameters, it returns 'Time slot already taken' in the output console.

MySQL Workbench

Local instance MySQL80 (pro...) x Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

example* world2* SQL File 4* SQL File 5* SQL File 6* SQL File 7* SQL File 8* SQL File 9* SQL File 10*

Limit to 1000 rows

SQL File 9* SQL File 10*

SQLAdditions

Jump to

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
276	14:20:23	CALL withdrawProperty(23)	Error Code: 1054. Unknown column 'property_status' in field list	0.000 sec
277	14:21:01	use property_management2	0 row(s) affected	0.000 sec
278	14:21:01	DROP PROCEDURE withdrawProperty	0 row(s) affected	0.000 sec
279	14:21:33	use property_management2	0 row(s) affected	0.000 sec
280	14:21:33	CREATE PROCEDURE withdrawProperty(IN paramID INT) BEGIN DECLARE p...	0 row(s) affected	0.000 sec
281	14:21:33	CALL withdrawProperty(23)	1 row(s) affected	0.000 sec
282	14:22:10	SELECT * FROM property LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
283	14:22:28	use property_management2	0 row(s) affected	0.000 sec
284	14:22:28	CALL withdrawProperty(33)	1 row(s) returned	0.000 sec / 0.000 sec
285	14:28:32	use property_management2	0 row(s) affected	0.000 sec
286	14:28:32	CREATE PROCEDURE checkViewing(IN paramPropertyID INT, IN paramViewi...	Error Code: 1407. Bad SQLSTATE: '406'	0.000 sec
287	14:28:49	use property_management2	0 row(s) affected	0.000 sec
288	14:28:49	CREATE PROCEDURE checkViewing(IN paramPropertyID INT, IN paramViewi...	0 row(s) affected	0.000 sec
289	14:29:06	use property_management2	0 row(s) affected	0.000 sec
290	14:29:06	CALL checkViewing(1, '2023-05-01 10:00:00')	1 row(s) affected	0.000 sec
291	14:29:24	SELECT * FROM viewings LIMIT 0, 1000	Error Code: 1146. Table 'property_management2.viewings' doesn't exist	0.000 sec
292	14:29:29	SELECT * FROM viewing LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
293	14:30:35	use property_management2	0 row(s) affected	0.000 sec
294	14:30:35	CALL checkViewing(1, '2023-05-20 14:00:00')	1 row(s) affected	0.000 sec
295	14:30:57	use property_management2	0 row(s) affected	0.000 sec
296	14:30:57	CALL checkViewing(25, '2023-05-20 14:00:00')	Error Code: 1644. Timeslot already taken	0.000 sec

Query interrupted

Object Info Session

Administration Schemas

Information

Column: viewing_time

Definition: viewing_time datetime

SCHEMAS

Filter objects

- example
- movies
- petstore
- property_management
- property_management2
 - Tables
 - agent
 - buyer
 - property
 - Columns
 - property_id
 - address
 - postcode
 - price
 - status
 - seller_id
 - Indexes
 - Foreign Keys
 - Triggers
 - seller
 - viewing
 - Columns
 - viewing_id
 - property_id
 - agent_id
 - buyer_id
 - viewing_time
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- sakila
- sys
- world

MySQL Workbench interface showing the 'property_management2' database schema and an execution log. The schema includes tables: agent, buyer, property, seller, and viewing. The execution log shows a sequence of SQL statements and their results, including errors for 'Unknown column' and 'Bad SQLSTATE'.

SCHEMAS

- example
- movies
- petstore
- property_management2
 - Tables
 - agent
 - buyer
 - property
 - Columns
 - property_id
 - address
 - postcode
 - price
 - status
 - seller_id
 - Indexes
 - Foreign Keys
 - Triggers
 - seller
 - viewing
 - Columns
 - viewing_id
 - property_id
 - agent_id
 - buyer_id
 - viewing_time
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- sakila
- sys
- world

Execution Log

#	Time	Action	Message	Duration / Fetch
276	14:20:23	CALL withdrawProperty(23)	Error Code: 1054. Unknown column 'property_status' in field list	0.000 sec
277	14:21:01	use property_management2	0 row(s) affected	0.000 sec
278	14:21:01	DROP PROCEDURE withdrawProperty	0 row(s) affected	0.000 sec
279	14:21:33	use property_management2	0 row(s) affected	0.000 sec
280	14:21:33	CREATE PROCEDURE withdrawProperty(IN paramID INT) BEGIN DECLARE p...	0 row(s) affected	0.000 sec
281	14:21:33	CALL withdrawProperty(23)	1 row(s) affected	0.000 sec
282	14:22:10	SELECT * FROM property LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
283	14:22:28	use property_management2	0 row(s) affected	0.000 sec
284	14:22:28	CALL withdrawProperty(33)	1 row(s) returned	0.000 sec / 0.000 sec
285	14:28:32	use property_management2	0 row(s) affected	0.000 sec
286	14:28:32	CREATE PROCEDURE checkViewing(IN paramPropertyID INT, IN paramViewi...	Error Code: 1407. Bad SQLSTATE: '406'	0.000 sec
287	14:28:49	use property_management2	0 row(s) affected	0.000 sec
288	14:28:49	CREATE PROCEDURE checkViewing(IN paramPropertyID INT, IN paramViewi...	0 row(s) affected	0.000 sec
289	14:29:06	use property_management2	0 row(s) affected	0.000 sec
290	14:29:06	CALL checkViewing(1, '2023-05-01 10:00:00')	1 row(s) affected	0.000 sec
291	14:29:24	SELECT * FROM viewings LIMIT 0, 1000	Error Code: 1146. Table 'property_management2.viewings' doesn't exist	0.000 sec
292	14:29:29	SELECT * FROM viewing LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
293	14:30:35	use property_management2	0 row(s) affected	0.000 sec
294	14:30:35	CALL checkViewing(1, '2023-05-20 14:00:00')	1 row(s) affected	0.000 sec
295	14:30:57	use property_management2	0 row(s) affected	0.000 sec
296	14:30:57	CALL checkViewing(25, '2023-05-20 14:00:00')	Error Code: 1644. Timeslot already taken	0.000 sec

Scenario: Property has already been sold

- For this scenario, I created a procedure to check if a property has already been sold (status is SOLD). If it is sold, it will return an error 'Property is already sold' in the output console.
- In the second screenshot you can see that because the property is already sold, it is returning the error in the console.

MySQL Workbench

Local instance MySQL80 (pro...) x Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- example
- movies
- petstore
- property_management
- property_management2
 - Tables
 - agent
 - buyer
 - property
 - Columns
 - property_id
 - address
 - postcode
 - price
 - status
 - seller_id
 - Indexes
 - Foreign Keys
 - Triggers
 - seller
 - viewing
 - Columns
 - viewing_id
 - property_id
 - agent_id
 - buyer_id
 - viewing_time
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- sakila
- sys
- world

SQL File 5* SQL File 6* SQL File 7* SQL File 8* SQL File 9* property SQL File 11* x SQL File 12*

Limit to 1000 rows

```
1 use property_management2;
2
3 DELIMITER //
4
5 CREATE PROCEDURE sellProperty(IN paramID INT)
6 BEGIN
7 DECLARE pstatus VARCHAR(50); -- Declare a variable to store property status
8 SELECT status INTO pstatus FROM property WHERE property_id = paramID;
9 IF pstatus = 'SOLD' THEN
10 SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'Property is already sold';
11 END IF;
12 END //
13
14 DELIMITER ;
15
```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
287	14:28:49	use property_management2	0 row(s) affected	0.000 sec
288	14:28:49	CREATE PROCEDURE checkViewing(IN paramPropertyID INT, IN paramViewingID INT)	0 row(s) affected	0.000 sec
289	14:29:06	use property_management2	0 row(s) affected	0.000 sec
290	14:29:06	CALL checkViewing(1, 2023-05-01 10:00:00)	1 row(s) affected	0.000 sec
291	14:29:24	SELECT * FROM viewings LIMIT 0, 1000	Error Code: 1146. Table 'property_management2.viewings' doesn't exist	0.000 sec
292	14:29:29	SELECT * FROM viewings LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
293	14:30:35	use property_management2	0 row(s) affected	0.000 sec
294	14:30:35	CALL checkViewing(1, 2023-05-20 14:00:00)	1 row(s) affected	0.000 sec
295	14:30:57	use property_management2	0 row(s) affected	0.000 sec
296	14:30:57	CALL checkViewing(25, 2023-05-20 14:00:00)	Error Code: 1644. Timeslot already taken	0.000 sec
297	14:36:57	use property_management2	0 row(s) affected	0.015 sec
298	14:36:57	CREATE PROCEDURE sellProperty(IN paramID INT) BEGIN DECLARE pstatus...	0 row(s) affected	0.000 sec
299	14:37:30	SELECT * FROM property LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
300	14:39:39	CALL sellProperty(33)	Error Code: 1054. Unknown column 'property_status' in field list	0.000 sec
301	14:40:10	DROP PROCEDURE sellProperty	0 row(s) affected	0.000 sec
302	14:42:29	use property_management2	0 row(s) affected	0.000 sec
303	14:42:29	CREATE PROCEDURE sellProperty(IN paramID INT) BEGIN DECLARE pstatus...	0 row(s) affected	0.000 sec
304	14:42:48	use property_management2	0 row(s) affected	0.000 sec
305	14:42:48	CALL sellProperty	Error Code: 1318. Incorrect number of arguments for PROCEDURE property_ma...	0.000 sec
306	14:43:21	use property_management2	0 row(s) affected	0.000 sec
307	14:43:21	CALL sellProperty(33)	Error Code: 1644. Property is already sold	0.000 sec

Administration Schemas

Information

Column: viewing_time

Definition: viewing_time datetime

Object Info Session

Query interrupted

MySQL Workbench

Local instance MySQL80 (pro...) x Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- example
- movies
- petstore
- property_management
- property_management2
 - Tables
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 - seller
 - viewing
 - Columns
 - viewing_id
 - property_id
 - agent_id
 - buyer_id
 - viewing_time
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
 - sakila
 - sys
 - world

SQL File 5*

```

1 use property_management2;
2
3 CALL sellProperty(33);

```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
287	14:28:49	use property_management2	0 row(s) affected	0.000 sec
288	14:28:49	CREATE PROCEDURE checkViewing(IN paramPropertyID INT, IN paramViewingID INT)	0 row(s) affected	0.000 sec
289	14:29:06	use property_management2	0 row(s) affected	0.000 sec
290	14:29:06	CALL checkViewing(1, 2023-05-01 10:00:00)	1 row(s) affected	0.000 sec
291	14:29:24	SELECT * FROM viewings LIMIT 0, 1000	Error Code: 1146. Table 'property_management2.viewings' doesn't exist	0.000 sec
292	14:29:29	SELECT * FROM viewing LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
293	14:30:35	use property_management2	0 row(s) affected	0.000 sec
294	14:30:35	CALL checkViewing(1, 2023-05-20 14:00:00)	1 row(s) affected	0.000 sec
295	14:30:57	use property_management2	0 row(s) affected	0.000 sec
296	14:30:57	CALL checkViewing(25, 2023-05-20 14:00:00)	Error Code: 1644. Timeslot already taken	0.000 sec
297	14:36:57	use property_management2	0 row(s) affected	0.015 sec
298	14:36:57	CREATE PROCEDURE sellProperty(IN paramID INT) BEGIN DECLARE pstatus VARCHAR(20)	0 row(s) affected	0.000 sec
299	14:37:30	SELECT * FROM property LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
300	14:39:39	CALL sellProperty(33)	Error Code: 1054. Unknown column 'property_status' in 'field list'	0.000 sec
301	14:40:10	DROP PROCEDURE sellProperty	0 row(s) affected	0.000 sec
302	14:42:29	use property_management2	0 row(s) affected	0.000 sec
303	14:42:29	CREATE PROCEDURE sellProperty(IN paramID INT) BEGIN DECLARE pstatus VARCHAR(20)	0 row(s) affected	0.000 sec
304	14:42:48	use property_management2	0 row(s) affected	0.000 sec
305	14:42:48	CALL sellProperty	Error Code: 1318. Incorrect number of arguments for PROCEDURE property_ma...	0.000 sec
306	14:43:21	use property_management2	0 row(s) affected	0.000 sec
307	14:43:21	CALL sellProperty(33)	Error Code: 1644. Property is already sold	0.000 sec

Column: viewing_time

Definition: viewing_time datetime

Object Info Session

Query interrupted

Feature: Register Buyer

- To register a new buyer into my 'buyer' table I used the INSERT INTO command followed by the values.
- I then used WHERE NOT EXISTS to check that the buyer is not already registered on the buyer table.

The screenshot displays the MySQL Workbench interface. On the left, the 'SCHEMAS' pane shows a tree view of databases, with 'property_management2' selected. The central editor shows a SQL query in a file named 'SQL File 4*'. The query is as follows:

```

1 use property_management2;
2
3 INSERT INTO buyer (name, email, phone)
4 SELECT 'Dwight Schrute', 'dwightschrute@email.com', '123-456-7890'
5 WHERE NOT EXISTS (
6   SELECT * FROM buyer
7   WHERE name = 'Dwight Schrute'
8   AND email = 'dwightschrute@email.com'
9   AND phone = '123-456-7890'
10 );
11

```

On the right, the 'SQLAdditions' pane contains a message: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help."

At the bottom, the 'Output' pane shows the 'Action Output' tab, which contains a table of execution results:

#	Time	Action	Message	Duration / Fetch
219	12:10:47	SELECT * FROM property WHERE price >= 300000 LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
220	12:12:03	use property_management2	0 row(s) affected	0.000 sec
221	12:12:03	SELECT * FROM property WHERE postcode LIKE 'SW1%'; LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
222	12:12:19	use property_management2	0 row(s) affected	0.000 sec
223	12:12:19	SELECT * FROM property WHERE postcode LIKE 'ST%'; LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
224	12:17:26	use property_management2	0 row(s) affected	0.000 sec
225	12:17:26	UPDATE property SET status = 'WITHDRAWN' WHERE property_id = 22 AND st...	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
226	12:25:13	use property_management2	0 row(s) affected	0.000 sec
227	12:25:13	UPDATE property SET status = 'FOR SALE' WHERE property_id = 22 AND st...	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
228	12:31:15	use property_management2	0 row(s) affected	0.000 sec
229	12:31:15	UPDATE property SET address = '125 Main St', postcode = 'AB7 2DE', price =...	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
230	12:33:22	use property_management2	0 row(s) affected	0.000 sec
231	12:33:22	UPDATE property SET address = '125 Main St', postcode = 'AB7 2DE', price =...	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
232	12:41:47	use property_management2	0 row(s) affected	0.000 sec
233	12:41:47	SELECT COUNT(*) FROM viewing WHERE agent_id = <agent_id> AND viewi...	Error Code: 1064. You have an error in your SQL syntax; check the manual tha...	0.000 sec
234	12:48:43	use property_management2	0 row(s) affected	0.000 sec
235	12:48:43	SELECT COUNT(*) AS count FROM viewing v INNER JOIN agent a ON v ag...	Error Code: 1146. Table 'property_management2.booking' doesn't exist	0.016 sec
236	13:18:53	use property_management2	0 row(s) affected	0.000 sec
237	13:18:53	INSERT INTO buyer (name, email, phone) VALUES (Michael Scott', 'michaels...	1 row(s) affected	0.000 sec
238	13:20:54	use property_management2	0 row(s) affected	0.000 sec
239	13:20:54	INSERT INTO buyer (name, email, phone) SELECT 'Dwight Schrute', 'dwights...	1 row(s) affected Records: 1 Duplicates: 0 Warnings: 0	0.000 sec

Feature: Manage Seller

- To register a new seller into my 'seller' table I used the INSERT INTO command followed by the values.
- I then used WHERE NOT EXISTS to check that the seller is not already registered on the seller table.

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

example* world2* SQL File 4*

Limit to 1000 rows

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
221	12:12:03	SELECT * FROM property WHERE postcode LIKE 'SW1%'; LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
222	12:12:19	use property_management2	0 row(s) affected	0.000 sec
223	12:12:19	SELECT * FROM property WHERE postcode LIKE 'ST%'; LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
224	12:17:26	use property_management2	0 row(s) affected	0.000 sec
225	12:17:26	UPDATE property SET status = 'WITHDRAWN' WHERE property_id = 22 AND st...	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
226	12:25:13	use property_management2	0 row(s) affected	0.000 sec
227	12:25:13	UPDATE property SET status = 'FOR SALE' WHERE property_id = 22 AND st...	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
228	12:31:15	use property_management2	0 row(s) affected	0.000 sec
229	12:31:15	UPDATE property SET address = '125 Main St', postcode = 'AB7 2DE', price = ...	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
230	12:33:22	use property_management2	0 row(s) affected	0.000 sec
231	12:33:22	UPDATE property SET address = '125 Main St', postcode = 'AB7 2DE', price = ...	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
232	12:41:47	use property_management2	0 row(s) affected	0.000 sec
233	12:41:47	SELECT COUNT(*) FROM viewing WHERE agent_id = <agent_id> AND viewi...	Error Code: 1064. You have an error in your SQL syntax; check the manual tha...	0.000 sec
234	12:48:43	use property_management2	0 row(s) affected	0.000 sec
235	12:48:43	SELECT COUNT(*) AS count FROM viewing v INNER JOIN agent a ON v ag...	Error Code: 1146. Table 'property_management2.booking' doesn't exist	0.016 sec
236	13:18:53	use property_management2	0 row(s) affected	0.000 sec
237	13:18:53	INSERT INTO buyer (name, email, phone) VALUES (Michael Scott', 'michaels...	1 row(s) affected	0.000 sec
238	13:20:54	use property_management2	0 row(s) affected	0.000 sec
239	13:20:54	INSERT INTO buyer (name, email, phone) SELECT Dwight Schrute', 'dwights...	1 row(s) affected Records: 1 Duplicates: 0 Warnings: 0	0.000 sec
240	13:22:57	use property_management2	0 row(s) affected	0.000 sec
241	13:22:57	INSERT INTO seller (name, email, phone) SELECT 'Pam Beesley', 'pambee...	1 row(s) affected Records: 1 Duplicates: 0 Warnings: 0	0.000 sec

Column: agent_id

Definition: agent_id int AI PK

Object Info Session