

```
8 Listing.description,
9 User.displayName AS sellerName,
10 Category.name AS categoryName
11 FROM
12 Listing
13 JOIN
14 User ON Listing.seller = User.userID
15 JOIN
16 Category ON Listing.categoryID = Category.categoryID
17 WHERE
18 Listing.price > 100.00; -- Listings priced above $100first
19
20
21 -- creating the second view
22 • CREATE VIEW second AS
23 SELECT
24 Orders.buyer,
25 User.displayName,
26 COUNT(*) AS orderCount
27 FROM
28 Orders
29 JOIN
30 User ON Orders.buyer = User.userID
31 GROUP BY
32 Orders.buyer, User.displayName
33 HAVING
34 COUNT(*) > 2;
35
36
37 -- querying the views
38 • SELECT * FROM first LIMIT 5;
39
40 • SELECT * FROM second LIMIT 5;
41
42 -- modifying the first view
43 • INSERT INTO first (listingID, description, sellerName, categoryName)
44 VALUES (99, 'Test Description', 'Test Seller', 'Electronics');
45
46
47 -- The views in this database are not updatable because they involve joins, aggregate functions, and
48 -- grouping. These operations make it impossible to map changes in the view directly back to a single
49 -- row in the underlying tables, which is required for a view to be updatable.
```

Result Grid

	buyer	displayName	orderCount
▶	aaronfrost	Jacob Blackwell Jr.	8
	adambaker	Tracey Brooks	3
	adamsjeremiah	Amanda Moore	6
	adamsjesse	Christopher Martin	5
	adunn	Laura Anderson	6

first 1second 2 ×

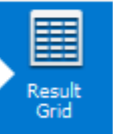
Output				
Action Output				
#	Time	Action		Message
✓ 2	17:57:38	DROP VIEW IF EXISTS second		0 row(s) affected
✓ 3	17:57:38	CREATE VIEW first AS SELECT Listing.listingID, Listing.description, User.displayName AS sellerName, Category.name AS categoryName FROM Listing JOIN User ON Listing.seller = User.userID JOIN ...		0 row(s) affected
✓ 4	17:57:38	CREATE VIEW second AS SELECT Orders.buyer, User.displayName, COUNT(*) AS orderCount FROM Orders JOIN User ON Orders.buyer = User.userID GROUP BY Orders.buyer, User.displayName ...		0 row(s) affected
✓ 5	17:57:38	SELECT * FROM first LIMIT 5		5 row(s) returned
✓ 6	17:57:38	SELECT * FROM second LIMIT 5		5 row(s) returned
✗ 7	17:57:38	INSERT INTO first (listingID, description, sellerName, categoryName) VALUES (99, 'Test Description', 'Test Seller', 'Electronics')		Error Code: 1393. Can not modify more than one base table through a join view 'marketplacee.first'
				Duration / Fetch
				0.000 sec
				0.000 sec
				0.000 sec
				0.000 sec / 0.000 sec
				0.016 sec / 0.000 sec
				0.000 sec

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

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```

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

	listingID	description	sellerName	categoryName
▶	1	Hit less rest visit student. Pretty bag knowledge...	Jeremy Cantrell	cost
	2	Herself bed state. Pick religious strategy far ke...	Victor Patterson	series
	3	Research report event center health against. T...	Kathy Chase	have
	5	Property yourself standard material range insid...	Eric Holmes	cost
	6	Certainly would moment thus garden. Maybe ch...	Anna Carrillo	human



Read Only | Context Help | Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	2 17:57:38	DROP VIEW IF EXISTS second	0 row(s) affected	0.000 sec
✓	3 17:57:38	CREATE VIEW first AS SELECT Listing.listingID, Listing.description, User.displayName AS sellerName, Category.name AS categoryName FROM Listing JOIN User ON Listing.seller = User.userID JOIN ...	0 row(s) affected	0.000 sec
✓	4 17:57:38	CREATE VIEW second AS SELECT Orders.buyer, User.displayName, COUNT(*) AS orderCount FROM Orders JOIN User ON Orders.buyer = User.userID GROUP BY Orders.buyer, User.displayName ...	0 row(s) affected	0.000 sec
✓	5 17:57:38	SELECT * FROM first LIMIT 5	5 row(s) returned	0.000 sec / 0.000 sec
✓	6 17:57:38	SELECT * FROM second LIMIT 5	5 row(s) returned	0.016 sec / 0.000 sec
✗	7 17:57:38	INSERT INTO first (listingID, description, sellerName, categoryName) VALUES (99, 'Test Description', 'Test Seller', 'Electronics')	Error Code: 1393. Can not modify more than one base table through a join view 'marketplacee.first'	0.000 sec