

## Comp1168 Lab8 – MySQL Multiple Table Queries

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1. Create a query that returns customers full names, their order ids, title, order dates, total quantity ordered, the unit price and the total price for each ordered item (quantity \* unit price). The result set should look like as shown below. [schema: om]

CustomerName	order_id	title	order_date	order_qty	unit_price	Total
Anders, Rohansen	651	No Rest For The Weary	2014-05-19	1	16.95	16.95
Anders, Rohansen	658	Umami In Concert	2014-05-23	1	17.95	17.95
Ania, Irvin	231	Etcetera	2013-06-14	1	17.00	17.00
Dakota, Baylee	491	No Fixed Address	2014-02-08	1	16.95	16.95
Dakota, Baylee	601	On The Road With Burt Ruggles	2014-04-21	1	17.50	17.50
Dakota, Baylee	601	Zone Out With Umami	2014-04-21	1	16.95	16.95
Deborah, Damien	29	Etcetera	2012-11-05	1	17.00	17.00
Deborah, Damien	29	No Rest For The Weary	2012-11-05	1	16.95	16.95
Derek, Chaddick	381	Umami In Concert	2013-11-08	1	17.95	17.95
Erick, Kaleigh	97	Burt Ruggles: An Intimate Portrait	2013-01-29	1	17.95	17.95
Erick, Kaleigh	97	More Songs About Structures an...	2013-01-29	1	17.95	17.95

2. Use the UNION operator to generate a result set consisting of two columns from the Vendors table: vendor\_name and vendor\_state. If the vendor is in California, the vendor\_state value should be "CA"; otherwise, the vendor\_state value should be "Outside CA." Sort the final result set by vendor\_name. [schema: ap]

	vendor_name	vendor_state
▶	Abbey Office Furnishings	CA
	American Booksellers Assoc	Outside CA
	American Express	CA
	ASC Signs	CA
	Ascom Hasler Mailing Systems	Outside CA
	AT&T	Outside CA
	Aztek Label	CA

3. Write a SELECT statement that returns three columns:

vendor\_id

vendor\_name

The vendor\_id column from the Vendors table  
The vendor\_name column from the Vendors table  
contact\_name A concatenation of the vendor\_contact\_first\_name and vendor\_contact\_last\_name columns with a space between

Return one row for each vendor whose contact has the same last name as another vendor's contact. This should return 2 rows.

Hint: Use a self-join to check that the vendor\_id columns aren't equal but the vendor\_contact\_last\_name columns are equal. Sort the result set by vendor\_contact\_last\_name.

	vendor_id	vendor_name	contact_name
▶	115	Roadway Package System, Inc	Sam Smith
	51	Blue Shield of California	Kylie Smith