

SQL TIPS AND TRICKS

PART 20

FULL OUTER JOIN

Using UNION ALL for MY-SQL

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Example--

stock

	supplier_id	product_id	stock_quantity	record_date
▶	1	1	60	2022-01-01
	1	1	40	2022-01-02
	1	1	35	2022-01-03
	1	1	45	2022-01-04
	1	1	51	2022-01-06
	1	1	55	2022-01-09
	1	1	25	2022-01-10
	1	1	48	2022-01-11
	1	1	45	2022-01-15
	1	1	38	2022-01-16
	1	2	45	2022-01-08
	1	2	40	2022-01-09
	2	1	45	2022-01-06
	2	1	55	2022-01-07
	2	2	45	2022-01-08
	2	2	48	2022-01-09
	2	2	35	2022-01-10
	2	2	52	2022-01-15
	2	2	23	2022-01-16

products

Result Grid					Filter Row
	product_id	cost			
▶	1	200			
	2	300			
	3	400			
	4	500			
	5	600			

```
2
3 • SELECT s.product_id AS stock_pid, s.stock_quantity, p.product_id, p.cost
4 FROM stock s
5 LEFT JOIN products p
6 ON s.product_id = p.product_id
7 UNION ALL
8 SELECT s.product_id AS stock_pid, s.stock_quantity, p.product_id , p.cost
9 FROM stock s
10 RIGHT JOIN products p
11 ON s.product_id = p.product_id;
```

OUTPUT

	stock_pid	stock_quantity	product_id	cost
▶	1	60	1	200
	1	40	1	200
	1	35	1	200
	1	45	1	200
	1	51	1	200
	1	55	1	200
	1	25	1	200
	1	48	1	200
	1	45	1	200
	1	38	1	200
	2	45	2	300
	2	40	2	300
	1	45	1	200
	1	55	1	200
	2	45	2	300
	2	48	2	300
	2	35	2	300
	2	52	2	300
	2	23	2	300
	1	55	1	200
	1	45	1	200
	1	38	1	200

	1	38	1	200
	1	45	1	200
	1	48	1	200
	1	25	1	200
	1	55	1	200
	1	51	1	200
	1	45	1	200
	1	35	1	200
	1	40	1	200
	1	60	1	200
	2	23	2	300
	2	52	2	300
	2	35	2	300
	2	48	2	300
	2	45	2	300
	2	40	2	300
	2	45	2	300
	NULL	NULL	3	400
	NULL	NULL	4	500
	NULL	NULL	5	600



THANK YOU

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