



PHASE 2: FILTERING & EXPLORATION

Q. Orders placed on `'2015-01-01` (`SELECT` + `WHERE`).



Query

```
SELECT *
FROM orders
WHERE date = '2015-01-01';
```

Output

	order_id	date	time
▶	1	2015-01-01	11:38:36
	2	2015-01-01	11:57:40
	3	2015-01-01	12:12:28
	4	2015-01-01	12:16:31
	5	2015-01-01	12:21:30
	6	2015-01-01	12:29:36
	7	2015-01-01	12:50:37
	8	2015-01-01	12:51:37
	9	2015-01-01	12:52:01
	10	2015-01-01	13:00:15
	11	2015-01-01	13:02:59
	12	2015-01-01	13:04:41
	13	2015-01-01	13:11:55
	14	2015-01-01	13:14:19
	15	2015-01-01	13:33:00
	16	2015-01-01	13:34:07
	17	2015-01-01	13:53:00
	18	2015-01-01	13:57:08
	19	2015-01-01	13:59:09



Q. List pizzas with `price` descending.

Query

```
SELECT
    pt.name,
    p.price
FROM pizzas AS p
JOIN pizza_types AS pt
ON p.pizza_type_id = pt.pizza_type_id
ORDER BY p.price DESC;
```

Output

	name	price
▶	The Greek Pizza	35.95
	The Greek Pizza	25.5
	The Brie Carre Pizza	23.65
	The Italian Vegetables Pizza	21
	The Spinach Supreme Pizza	20.75
	The Barbecue Chicken Pizza	20.75
	The California Chicken Pizza	20.75
	The Spicy Italian Pizza	20.75
	The Chicken Alfredo Pizza	20.75
	The Chicken Pesto Pizza	20.75
	The Italian Supreme Pizza	20.75
	The Southwest Chicken Pizza	20.75
	The Prosciutto and Arugula...	20.75
	The Pepper Salami Pizza	20.75
	The Thai Chicken Pizza	20.75
	The Soppressata Pizza	20.75
	The Spinach Pesto Pizza	20.75
	The Classic Deluxe Pizza	20.5
	The Napolitana Pizza	20.5
	The Greek Pizza	20.5

Q. Pizzas sold in sizes `'L'` or `'XL'`.

Query

```
SELECT
    pt.name,
    p.size
FROM pizzas AS p
JOIN pizza_types AS pt
ON p.pizza_type_id = pt.pizza_type_id
WHERE p.size IN ('L','XL');
```

Output

	name	size
▶	The Barbecue Chicken Pizza	L
	The California Chicken Pizza	L
	The Chicken Alfredo Pizza	L
	The Chicken Pesto Pizza	L
	The Southwest Chicken Pizza	L
	The Thai Chicken Pizza	L
	The Big Meat Pizza	L
	The Classic Deluxe Pizza	L
	The Hawaiian Pizza	L
	The Italian Capocollo Pizza	L
	The Napolitana Pizza	L
	The Pepperoni, Mushroom, ...	L
	The Pepperoni Pizza	L
	The Greek Pizza	XL
	The Greek Pizza	L
	The Calabrese Pizza	L
	The Italian Supreme Pizza	L
	The Pepper Salami Pizza	L

Q. Pizzas priced between \$15.00 and \$17.00.



Query

```
SELECT
    pt.name,
    p.price
FROM pizzas AS p
JOIN pizza_types AS pt
ON p.pizza_type_id = pt.pizza_type_id
WHERE p.price BETWEEN 15.00 AND 17.00
ORDER BY p.price ASC;
```

Output

	name	price
▶	The Pepperoni Pizza	15.25
	The Five Cheese Pizza	15.5
	The Big Meat Pizza	16
	The Classic Deluxe Pizza	16
	The Italian Capocollo Pizza	16
	The Napolitana Pizza	16
	The Greek Pizza	16
	The Green Garden Pizza	16
	The Mediterranean Pizza	16
	The Mexicana Pizza	16
	The Spinach and Feta Pizza	16
	The Vegetables + Vegeta...	16
	The Calabrese Pizza	16.25
	The Sicilian Pizza	16.25
	The Hawaiian Pizza	16.5
	The Italian Supreme Pizza	16.5
	The Pepper Salami Pizza	16.5
	The Prosciutto and Arugul...	16.5
	The Soppressata Pizza	16.5

Q. Pizzas with ` "Chicken" ` in the name.

Query

```
SELECT name  
FROM pizza_types  
WHERE name LIKE '%Chicken%';
```

Output

name
The Barbecue Chicken Pizza
The California Chicken Pizza
The Chicken Alfredo Pizza
The Chicken Pesto Pizza
The Southwest Chicken Pizza
The Thai Chicken Pizza



Q. Orders on `'2015-02-15'` or placed after 8 PM.

Query

```
SELECT *
FROM orders AS o
JOIN order_details AS od
ON o.order_id = od.order_id
WHERE
date = '2015-02-15' OR
o.time > '20:00:00'
ORDER BY time ASC;
```

Output

	order_id	date	time	order_details_id	order_id	pizza_id	quantity
▶	2723	2015-02-15	11:35:24	6149	2723	pepperoni_l	1
	2724	2015-02-15	11:48:59	6150	2724	cali_ckn_s	1
	2724	2015-02-15	11:48:59	6151	2724	classic_dlx_m	1
	2724	2015-02-15	11:48:59	6152	2724	veggie_veg_l	1
	2725	2015-02-15	11:52:00	6153	2725	bbq_ckn_l	1
	2725	2015-02-15	11:52:00	6154	2725	calabrese_m	1
	2725	2015-02-15	11:52:00	6155	2725	ckn_alfredo_s	1
	2725	2015-02-15	11:52:00	6156	2725	hawaiian_l	1
	2725	2015-02-15	11:52:00	6157	2725	ital_supr_l	1
	2725	2015-02-15	11:52:00	6158	2725	napolitana_m	1
	2725	2015-02-15	11:52:00	6159	2725	peppr_salami...	1
	2725	2015-02-15	11:52:00	6160	2725	prsc_argla_m	1
	2725	2015-02-15	11:52:00	6161	2725	sicilian_m	1
	2725	2015-02-15	11:52:00	6162	2725	southw_ckn_l	1
	2725	2015-02-15	11:52:00	6163	2725	spicy_ital_l	1
	2725	2015-02-15	11:52:00	6164	2725	spin_pesto_m	1
	2725	2015-02-15	11:52:00	6165	2725	the_greek_m	1
	2726	2015-02-15	11:54:55	6166	2726	big_meat_s	1
	2727	2015-02-15	11:56:33	6167	2727	ital_cpdlo_m	1