```sql
4
5  CREATE TABLE brands (
6      brand_id INT PRIMARY KEY,
7      brand_name VARCHAR(255)
8  );
9
10 SELECT * FROM brands LIMIT 5;
```

Result Grid | Filter Rows: | Edit:

	brand_id	brand_name
▶	1	Electra
	2	Haro
	3	Heller
	4	Pure Cycles
	5	Ritchey
*	NULL	NULL

```sql
15
16 ●    SELECT * FROM categories LIMIT 5;
17 ● ⊖  CREATE TABLE category (
18          category_id INT PRIMARY KEY,
19          category_name VARCHAR(100)
20      );
21 ●    SELECT * FROM category LIMIT 5;
22
```

Result Grid | Filter Rows: | Edit:

category_id	category_name
1	Children Bicycles
2	Comfort Bicycles
3	Cruisers Bicycles
4	Cyclocross Bicycles
5	Electric Bikes
NULL	NULL

```sql
23 ● ⊖  CREATE TABLE customers (
24          customer_id INT PRIMARY KEY,
25          first_name VARCHAR(255),
26          last_name VARCHAR(255),
27          phone VARCHAR(50),
28          email VARCHAR(255),
29          street VARCHAR(255),
30          city VARCHAR(255),
31          state VARCHAR(255),
32          zip_code VARCHAR(20)
33      );
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: IA | Fetch rows:

customer_id	first_name	last_name	phone	email	street	city	state	zip_code
1	Debra	Burks	NULL	debra.burks@yahoo.com	9273 Thorne Ave.	Orchard Park	NY	14127
2	Kasha	Todd	NULL	kasha.todd@yahoo.com	910 Vine Street	Campbell	CA	95008
3	Tameka	Fisher	NULL	tameka.fisher@aol.com	769C Honey Creek St.	Redondo Beach	CA	90278
4	Daryl	Spence	NULL	daryl.spence@aol.com	988 Pearl Lane	Uniondale	NY	11553
5	Charolette	Rice	(916) 381-6003	charolette.rice@msn.com	107 River Dr.	Sacramento	CA	95820
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```sql
37 ● ⊖  CREATE TABLE order_items (
38          order_id INT,
39          item_id INT,
40          product_id INT,
41          quantity INT,
42          list_price DECIMAL(10,2),
43          discount DECIMAL(4,2),
44          PRIMARY KEY (order_id, item_id)
45      );
46
47
```

Result Grid | Filter Rows: | Edit: | Export

order_id	item_id	product_id	quantity	list_price	discount
1	1	20	1	599.99	0.20
1	2	8	2	1799.99	0.07
1	3	10	2	1549.00	0.05
1	4	16	2	599.99	0.05
1	5	4	1	2899.99	0.20
NULL	NULL	NULL	NULL	NULL	NULL

```sql
49  ⊖  CREATE TABLE orders (
50         order_id INT PRIMARY KEY,
51         customer_id INT,
52         order_status VARCHAR(50),
53         order_date DATE,
54         required_date DATE,
55         shipped_date DATE,
56         store_id INT,
57         staff_id INT
58      );
59  ●  SELECT * FROM orders LIMIT 5;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Fetch

order_id	customer_id	order_status	order_date	required_date	shipped_date	store_id	staff_id
1	259	4	2016-01-01	2016-01-03	2016-01-03	1	2
2	1212	4	2016-01-01	2016-01-04	2016-01-03	2	6
3	523	4	2016-01-02	2016-01-05	2016-01-03	2	7
4	175	4	2016-01-03	2016-01-04	2016-01-05	1	3
5	1324	4	2016-01-03	2016-01-06	2016-01-06	2	6
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```sql
60  ● ⊖  CREATE TABLE products (
61          product_id INT PRIMARY KEY,
62          product_name VARCHAR(255),
63          brand_id INT,
64          category_id INT,
65          model_year INT,
66          list_price DECIMAL(10,2)
67       );
68  ●    SELECT * FROM products LIMIT 5;
69
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

product_id	product_name	brand_id	category_id	model_year	list_price
1	Trek 820 - 2016	9	6	2016	379.99
2	Ritchey Timberwolf Frameset - 2016	5	6	2016	749.99
3	Surly Wednesday Frameset - 2016	8	6	2016	999.99
4	Trek Fuel EX 8 29 - 2016	9	6	2016	2899.99
5	Heller Shagamaw Frame - 2016	3	6	2016	1320.99
NULL	NULL	NULL	NULL	NULL	NULL

```sql
69  ● ⊖  CREATE TABLE staffs (
70            staff_id INT PRIMARY KEY,
71            first_name VARCHAR(255),
72            last_name VARCHAR(255),
73            email VARCHAR(255),
74            phone VARCHAR(50),
75            active TINYINT,
76            store_id INT,
77            manager_id INT
78        );
79  ●  SELECT * FROM staffs LIMIT 5;
80
```

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

staff_id	first_name	last_name	email	phone	active	store_id	manager_id
1	Fabiola	Jackson	fabiola.jackson@bikes.shop	(831) 555-5554	1	1	NULL
2	Mireya	Copeland	mireya.copeland@bikes.shop	(831) 555-5555	1	1	1
3	Genna	Serrano	genna.serrano@bikes.shop	(831) 555-5556	1	1	2
4	Virgie	Wiggins	virgie.wiggins@bikes.shop	(831) 555-5557	1	1	2
5	Jannette	David	jannette.david@bikes.shop	(516) 379-4444	1	2	1
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```sql
80    CREATE TABLE stocks (
81        store_id INT,
82        product_id INT,
83        quantity INT,
84        PRIMARY KEY (store_id, product_id)
85    );
86
87    SELECT * FROM stocks LIMIT 5;
88
```

Result Grid | Filter Rows: | Edit:

store_id	product_id	quantity
1	1	27
1	2	5
1	3	6
1	4	23
1	5	22
NULL	NULL	NULL

```sql
89  ●  ⊖  CREATE TABLE stores (
90              store_id INT PRIMARY KEY,
91              store_name VARCHAR(255),
92              phone VARCHAR(50),
93              email VARCHAR(255),
94              street VARCHAR(255),
95              city VARCHAR(255),
96              state VARCHAR(255),
97              zip_code VARCHAR(20)
98          );
99  ●     SELECT * FROM stores LIMIT 5;
100
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

store_id	store_name	phone	email	street	city	state	zip_code
1	Santa Cruz Bikes	(831) 476-4321	santacruz@bikes.shop	3700 Portola Drive	Santa Cruz	CA	95060
2	Baldwin Bikes	(516) 379-8888	baldwin@bikes.shop	4200 Chestnut Lane	Baldwin	NY	11432
3	Rowlett Bikes	(972) 530-5555	rowlett@bikes.shop	8000 Fairway Avenue	Rowlett	TX	75088
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```
100
101 •    SELECT product_id, product_name, category_id
102      FROM products
103      WHERE category_id = 1
104      LIMIT 5;
105
106
```

Result Grid | Filter Rows: | Edit: | Export/Import:

product_id	product_name	category_id
21	Electra Cruiser 1 (24-Inch) - 2016	1
22	Electra Girl's Hawaii 1 (16-inch) - 2015/2016	1
23	Electra Girl's Hawaii 1 (20-inch) - 2015/2016	1
83	Trek Boy's Kickster - 2015/2017	1
84	Sun Bicycles Lil Kitt'n - 2017	1
NULL	NULL	NULL

```sql
101 •     SELECT product_id, product_name, category_id
102       FROM products
103       WHERE category_id = 1
104       LIMIT 5;
105
106 •     SELECT product_id, product_name, list_price
```

Result Grid | Filter Rows: | Edit: | Export/Import:

Delete selected row

product_id	product_name	list_price
155	Trek Domane SLR 9 Disc - 2018	11999.99
149	Trek Domane SLR 8 Disc - 2018	7499.99
156	Trek Domane SL Frameset - 2018	6499.99
51	Trek Silque SLR 8 Women's - 2017	6499.99
157	Trek Domane SL Frameset Women's - 2018	6499.99
NULL	NULL	NULL

```sql
105
106 •    SELECT category_id, COUNT(*) AS total_products
107      FROM products
108      GROUP BY category_id
109      LIMIT 5;
110
```

Result Grid | | Filter Rows: | Export: | Wrap Cell

	category_id	total_products
▶	6	60
	5	24
	4	10
	3	78
	1	59

```
109     LIMIT 5;
110  •  SELECT p.product_id, p.product_name, c.category_name
111     FROM products p
112     INNER JOIN category c ON p.category_id = c.category_id
113     LIMIT 5;
114
115
116
```

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

product_id	product_name	category_name
1	Trek 820 - 2016	Mountain Bikes
2	Ritchey Timberwolf Frameset - 2016	Mountain Bikes
3	Surly Wednesday Frameset - 2016	Mountain Bikes
4	Trek Fuel EX 8 29 - 2016	Mountain Bikes
5	Heller Shagamaw Frame - 2016	Mountain Bikes

Mountain Bikes

```
115
116 ●  SELECT s.store_id, s.store_name, st.staff_id
117    FROM stores s
118    LEFT JOIN staffs st ON s.store_id = st.store_id
119    LIMIT 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ̄A | F

store_id	store_name	staff_id
1	Santa Cruz Bikes	4
1	Santa Cruz Bikes	3
1	Santa Cruz Bikes	2
1	Santa Cruz Bikes	1
2	Baldwin Bikes	7

```sql
121 ●    SELECT pr.product_id, pr.product_name, st.quantity
122      FROM stocks st
123      RIGHT JOIN products pr ON st.product_id = pr.product_id
124      LIMIT 5;
```

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

product_id	product_name	quantity
1	Trek 820 - 2016	14
1	Trek 820 - 2016	14
1	Trek 820 - 2016	27
2	Ritchey Timberwolf Frameset - 2016	24
2	Ritchey Timberwolf Frameset - 2016	16

```sql
125
126 ● SELECT product_id, product_name, list_price
127   FROM products
128   WHERE list_price > (SELECT AVG(list_price) FROM products)
129   LIMIT 5;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell C

product_id	product_name	list_price
4	Trek Fuel EX 8 29 - 2016	2899.99
7	Trek Slash 8 27.5 - 2016	3999.99
8	Trek Remedy 29 Carbon Frameset - 2016	1799.99
9	Trek Conduit+ - 2016	2999.99
10	Surly Straggler - 2016	1549.00
NULL	NULL	NULL

```sql
126
127 ● SELECT staff_id, first_name, last_name
128   FROM staffs
129 ⊖ WHERE store_id = (
130       SELECT store_id
131       FROM stocks
132       GROUP BY store_id
133       ORDER BY SUM(quantity) DESC
134       LIMIT 1
135   );
```

Result Grid | 🔢 | 🔁 Filter Rows: [_____] | Edit: 🖉 🔜 🔜 | Export

	staff_id	first_name	last_name
▶	8	Kali	Vargas
	9	Layla	Terrell
	10	Bernardine	Houston
∗	NULL	NULL	NULL

```sql
137 ●    SELECT store_id, SUM(quantity) AS total_quantity
138      FROM stocks
139      GROUP BY store_id
140      LIMIT 5;
```

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

store_id	total_quantity
1	4532
2	4359
3	4620

```sql
137 •    SELECT store_id, SUM(quantity) AS total_quantity
138      FROM stocks
139      GROUP BY store_id
140      LIMIT 5;
141
```

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

category_id	avg_price
6	1649.757333
5	3281.656667
4	2542.793000
3	730.412308
1	287.786610

```sql
149 ●    SELECT category_id, AVG(list_price) AS avg_price
150      FROM products
151      GROUP BY category_id
152      LIMIT 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 🗛 | Fe

category_id	avg_price
▶ 6	1649.757333
5	3281.656667
4	2542.793000
3	730.412308
1	287.786610

```sql
154 •   SELECT * FROM product_stock_view LIMIT 5;
```

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

product_name	category_name	quantity
Trek 820 - 2016	Mountain Bikes	27
Ritchey Timberwolf Frameset - 2016	Mountain Bikes	5
Surly Wednesday Frameset - 2016	Mountain Bikes	6
Trek Fuel EX 8 29 - 2016	Mountain Bikes	23
Heller Shagamaw Frame - 2016	Mountain Bikes	22