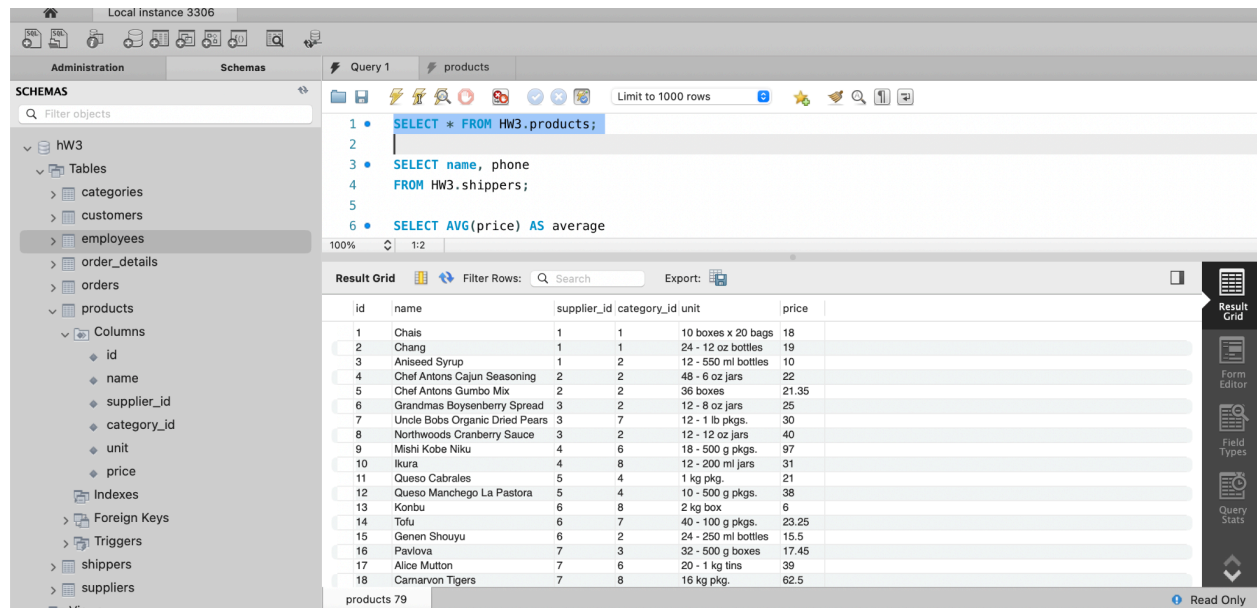
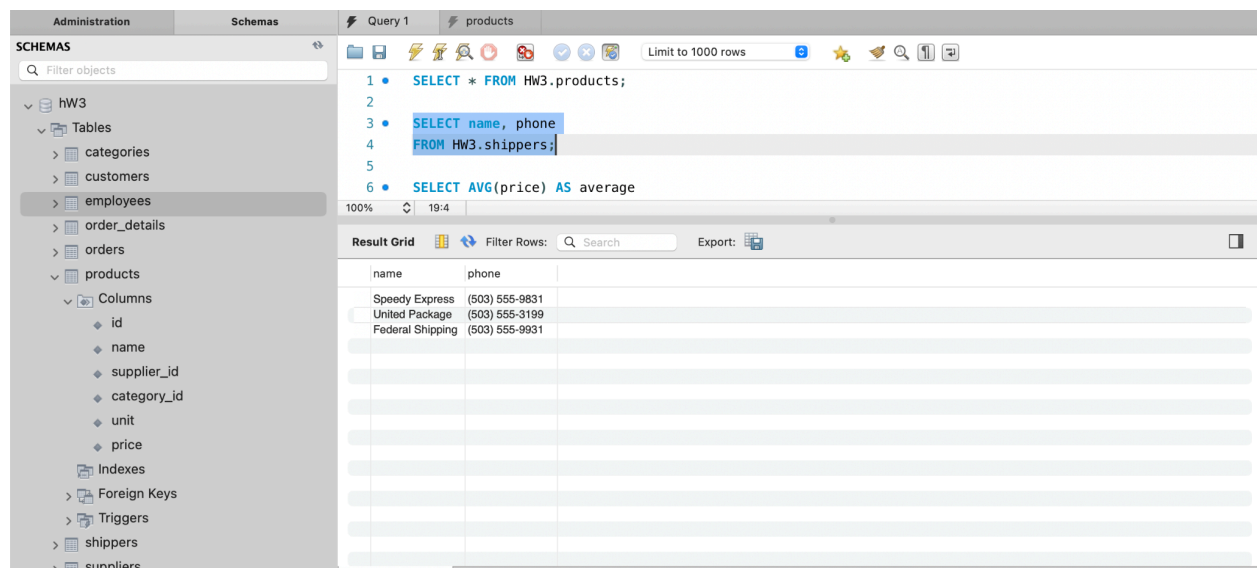


1. Напишіть SQL команду, за допомогою якої можна:



вибрати всі стовпчики (За допомогою wildcard “\*”) з таблиці *products*;



вибрати тільки стовпчики *name*, *phone* з таблиці *shippers*, та перевірте правильність її виконання в MySQL Workbench.

## 2. середнє значення

The screenshot shows a database management interface with a schema tree on the left and a query editor on the right. The schema tree is expanded to show the 'products' table. The query editor contains the following SQL code:

```
3 • SELECT name, phone
4 FROM HW3.shippers;
5
6 • SELECT AVG(price) AS average
7 FROM HW3.products;
8
```

The 'Result Grid' shows the result of the query:

average
28.8663636363637

## Мінімальне значення

The screenshot shows the same database management interface as the previous one, but with a different query. The schema tree is still expanded to show the 'products' table. The query editor contains the following SQL code:

```
6 • SELECT AVG(price) AS average
7 FROM HW3.products;
8
9 • SELECT MIN(price) AS Min
10 FROM HW3.products;
11
```

The 'Result Grid' shows the result of the query:

Min
2.5

## Максимальне значення

The screenshot shows the DBeaver SQL editor interface. On the left, the 'Schemas' pane displays the database structure for 'hw3', including tables like 'categories', 'customers', 'employees', 'order\_details', 'orders', 'products', and 'suppliers'. The 'products' table is selected, and its columns (id, name, supplier\_id, category\_id, unit, price) are visible. The SQL editor contains the following query:

```
8
9 • SELECT MIN(price) AS Min
10 FROM HW3.products;
11
12 • SELECT MAX(price) AS Max
13 FROM HW3.products;
```

The 'Result Grid' at the bottom shows the execution results for the second query, displaying a single row with the maximum price:

Max
263.5

The status bar indicates 'Result 84' and 'Read Only'.

3.

The screenshot shows the DBeaver SQL editor interface. The 'Schemas' pane is the same as in the previous screenshot. The SQL editor contains the following query:

```
10 FROM HW3.products;
11
12 • SELECT MAX(price) AS Max
13 FROM HW3.products;
14
15 • SELECT DISTINCT category_id, price
```

The 'Result Grid' at the bottom shows the execution results for the third query, displaying a list of distinct categories and their prices:

category_id	price
1	263.5
6	123.79
6	97
3	81
8	62.5
4	55
7	53
3	49.3
1	46
7	45.6

The status bar indicates 'Fetch rows:' and 'Read Only'.

4.

The screenshot shows a database management tool interface. On the left, a 'SCHEMAS' pane lists a database named 'hw3' with various tables and columns. The 'products' table is selected, showing columns: id, name, supplier\_id, category\_id, unit, and price. The main query editor displays the following SQL code:

```

17 ORDER BY price DESC
18 LIMIT 10;
19
20 • SELECT * FROM hw3.products
21 WHERE price BETWEEN 0 AND 100;
22

```

The 'Result Grid' shows the following data:

id	name	supplier_id	category_id	unit	price
3	Aniseed Syrup	1	2	12 - 550 ml bottles	10
4	Chef Antons Cajun Seasoning	2	2	48 - 6 oz jars	22
5	Chef Antons Gumbo Mix	2	2	36 boxes	21.35
6	Grandmas Boysenberry Spread	3	2	12 - 8 oz jars	25
7	Uncle Bobs Organic Dried Pears	3	7	12 - 1 lb pkgs.	30
8	Northwoods Cranberry Sauce	3	2	12 - 12 oz jars	40
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	97
10	Ikura	4	8	12 - 200 ml jars	31
11	Queso Cabrales	5	4	1 kg pkg.	21
12	Queso Manchego La Pastora	5	4	10 - 500 g pkgs.	38
13	Konbu	6	8	2 kg box	6
14	Tofu	6	7	40 - 100 g pkgs.	23.25
15	Genen Shouyu	6	2	24 - 250 ml bottles	15.5
16	Pavlova	7	3	32 - 500 g boxes	17.45
17	Alice Mutton	7	6	20 - 1 kg tins	39
18	Camaron Tiger	7	8	16 kg pkg.	62.5
19	Teatime Chocolate Biscuits	8	3	10 boxes x 12 pie...	9.2
20	Sir Rodneys Marmalade	8	3	30 gift boxes	81

5.

The screenshot shows the same database management tool interface. The 'products' table is still selected. The main query editor displays the following SQL code:

```

20 • SELECT * FROM hw3.products
21 WHERE price BETWEEN 0 AND 100;
22
23 • SELECT supplier_id, AVG(price) AS average, COUNT(*)
24 FROM hw3.products
25 GROUP BY supplier_id;
26

```

The 'Result Grid' shows the following data:

supplier_id	average	COUNT(*)
1	15.666666666666666	3
2	20.35	4
3	31.666666666666668	3
4	46	3
5	29.5	2
6	14.916666666666666	3
7	35.57	5
8	28.175	4
9	15	2
10	4.5	1
11	29.709999999999997	3
12	44.678000000000004	5
13	25.89	1
14	26.433333333333334	3
15	20	3
16	15.333333333333334	3
17	20	3
18	140.75	2
19	14.024999999999999	2
20	26.483333333333334	3
21	10.75	2
22	11.125	2
23	18.083333333333332	3
24	30.933333333333334	3
25	15.725	2
26	28.75	2
27	13.25	1
28	44.5	2
29	38.9	2

## SQL код

```
SELECT * FROM HW3.products;
```

```
SELECT name, phone  
FROM HW3.shippers;
```

```
SELECT AVG(price) AS average  
FROM HW3.products;
```

```
SELECT MIN(price) AS Min  
FROM HW3.products;
```

```
SELECT MAX(price) AS Max  
FROM HW3.products;
```

```
SELECT DISTINCT category_id, price  
FROM HW3.products  
ORDER BY price DESC  
LIMIT 10;
```

```
SELECT * FROM HW3.products  
WHERE price BETWEEN 0 AND 100;
```

```
SELECT supplier_id, AVG(price) AS average, COUNT(*)  
FROM HW3.products  
GROUP BY supplier_id;
```

