

- 3 простейших запроса с использованием операторов сравнения;

MySQL Workbench

Local instance 3306 - Warning - not supported

File Edit View Query Database Server Tools Scripting Help

Schemas Schemas

Query 4

```
1
2 •  SELECT * FROM Sellers WHERE idSeller = 1;
3
4
5 •  SELECT * FROM Sellers WHERE Department_id > 2;
6
7
8 •  SELECT * FROM Sellers WHERE idSeller < 10;
```

Result Grid Filter Rows: A

| # | idSeller | Surname | FirstName | Department_id |
|---|----------|---------|-----------|---------------|
| 1 | 1        | Иванов  | Алеше...  | 1             |

Edit: Export/Import: Wrap Cell Content

Sellers 22 Sellers 23 Sellers 24

Query Completed

The screenshot shows the MySQL Workbench interface. On the left, the 'Schemas' tree view is open, showing various database objects like ProductGroups, Products, Purchases, and Sellers. The 'Sellers' node is expanded, showing columns such as idSeller, Surname, FirstName, and Department\_id. In the center, a query editor window titled 'Query 4' contains four SQL statements using comparison operators. Below the editor is a result grid showing one row of data from the Sellers table. At the bottom, there are tabs for 'Sellers 22', 'Sellers 23', and 'Sellers 24', with 'Sellers 24' currently active.

MySQL Workbench

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Schemas

Query 4

1  
2 • `SELECT * FROM Sellers WHERE idSeller = 1;`  
3  
4  
5 • `SELECT * FROM Sellers WHERE Department_id > 2;`  
6  
7  
8 • `SELECT * FROM Sellers WHERE idSeller < 10;`

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

| # | idSeller | Surname  | FirstName | Department_id |
|---|----------|----------|-----------|---------------|
| 1 | 8        | Сидоров  | Николай   | 3             |
| 2 | 10       | Алекс... | Алексей   | 3             |
| 3 | 12       | Васил... | Игорь     | 4             |
| 4 | 15       | Кузнецов | Максим    | 5             |
| 5 | 20       | Павлов   | Дмитрий   | 5             |
| * | NULL     | NULL     | NULL      | NULL          |

Sellers 22 Sellers 23 Sellers 24

Query Completed

The screenshot shows the MySQL Workbench interface. On the left is a tree view of database schemas: Schemas, ProductGroups, Products, Purchases, Sellers, Views, and sys. The Sellers node is expanded, showing its columns (idSeller, Surname, FirstName, Department\_id), indexes, foreign keys, triggers, and students. The Views node is also expanded, showing View\_BuyersByDep. The sys schema is collapsed. In the center, there are three tabs at the bottom labeled 'Sellers 22', 'Sellers 23', and 'Sellers 24'. The 'Sellers 24' tab is active, containing a query editor with the following content:

```
1
2 • SELECT * FROM Sellers WHERE idSeller = 1;
3
4
5 • SELECT * FROM Sellers WHERE Department_id > 2;
6
7
8 • SELECT * FROM Sellers WHERE idSeller < 10;
```

Below the query editor is a results grid titled 'Result Grid' with the following data:

| # | idSeller | Surname  | FirstName | Department_id |
|---|----------|----------|-----------|---------------|
| 1 | 8        | Сидоров  | Николай   | 3             |
| 2 | 10       | Алекс... | Алексей   | 3             |
| 3 | 12       | Васил... | Игорь     | 4             |
| 4 | 15       | Кузнецов | Максим    | 5             |
| 5 | 20       | Павлов   | Дмитрий   | 5             |
| * | NULL     | NULL     | NULL      | NULL          |

The results grid has a 'Filter Rows' button and a 'Wrap Cell Content' button. At the top of the results grid, there are buttons for 'Edit', 'Export/Import', and other options.

MySQL Workbench

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Schemas

Query 4

1  
2 • `SELECT * FROM Sellers WHERE idSeller = 1;`  
3  
4  
5 • `SELECT * FROM Sellers WHERE Department_id > 2;`  
6  
7  
8 • `SELECT * FROM Sellers WHERE idSeller < 10;`

Result Grid

| # | idSeller | Surname | FirstName | Department_id |
|---|----------|---------|-----------|---------------|
| 1 | 1        | Иванов  | Алеш...   | 1             |
| 2 | 2        | Абрамов | Андрей    | 1             |
| 3 | 3        | Антонов | Антон     | 1             |
| 4 | 5        | Петров  | Сергей    | 2             |
| 5 | 6        | Петрова | Елена     | 2             |
| 6 | 8        | Сидоров | Николай   | 3             |
| * | NULL     | NULL    | NULL      | NULL          |

Edit: Export/Import: Wrap Cell Content

Sellers 22   Sellers 23   Sellers 24

Query Completed

- 3 запроса с использованием логических операторов AND, OR и NOT;

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Schemas Schemas

Filter objects

- > Foreign Keys
- > Triggers
- ProductGroups
  - > Columns
  - > Indexes
  - > Foreign Keys
  - > Triggers
- Products
  - > Columns
  - > Indexes
  - > Foreign Keys
  - > Triggers
- Purchases
  - > Columns
  - > Indexes
  - > Foreign Keys
  - > Triggers
- Sellers
  - > Columns
    - ◆ idSeller
    - ◆ Surname
    - ◆ FirstName
    - ◆ Department
  - > Indexes
  - > Foreign Keys
  - > Triggers
  - > Students
- Views
  - > View\_BuyersByDe
- Stored Procedures
- Functions

- > sys

Query 4

1  
2   SELECT \* FROM Sellers WHERE Department\_id = 1 AND Surname = 'Иванов';  
3  
4  
5   SELECT \* FROM Sellers WHERE Department\_id = 1 OR Department\_id = 5;  
6  
7  
8   SELECT \* FROM Sellers WHERE NOT Department\_id = 3;

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

| # | idSeller | Surname | FirstName | Department_id |
|---|----------|---------|-----------|---------------|
| 1 | 1        | Иванов  | Алеш...   | 1             |
| * | HULL     | HULL    | HULL      | HULL          |

Sellers 33

Query Completed

MySQL Workbench

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Schemas Schemas

Filter objects

- > Foreign Keys
- > Triggers
- ProductGroups
  - > Columns
  - > Indexes
  - > Foreign Keys
  - > Triggers
- Products
  - > Columns
  - > Indexes
  - > Foreign Keys
  - > Triggers
- Purchases
  - > Columns
  - > Indexes
  - > Foreign Keys
  - > Triggers
- Sellers
  - > Columns
    - ◆ idSeller
    - ◆ Surname
    - ◆ FirstName
    - ◆ Department\_id
  - > Indexes
  - > Foreign Keys
  - > Triggers
  - > Students
- Views
  - > View\_BuyersByDep
- Stored Procedures
- Functions

- > sys

Query 4

1  
2   SELECT \* FROM Sellers WHERE Department\_id = 1 AND Surname = 'Иванов';  
3  
4  
5   SELECT \* FROM Sellers WHERE Department\_id = 1 OR Department\_id = 5;  
6  
7  
8   SELECT \* FROM Sellers WHERE NOT Department\_id = 3;

Result Grid Filter Rows: A

| # | idSeller | Surname  | FirstName | Department_id |
|---|----------|----------|-----------|---------------|
| 1 | 1        | Иванов   | Алеш...   | 1             |
| 2 | 2        | Абрамов  | Андрей    | 1             |
| 3 | 3        | Антонов  | Антон     | 1             |
| 4 | 15       | Кузнецов | Максим    | 5             |
| 5 | 20       | Павлов   | Дмитрий   | 5             |
| * | NULL     | NULL     | NULL      | NULL          |

Edit: Export/Import: Wrap Cell Content

Sellers 34

Query Completed

MySQL Workbench

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Schemas

Filter objects

1  
2   SELECT \* FROM Sellers WHERE Department\_id = 1 AND Surname = 'Иванов';  
3  
4  
5   SELECT \* FROM Sellers WHERE Department\_id = 1 OR Department\_id = 5;  
6  
7  
8   SELECT \* FROM Sellers WHERE NOT Department\_id = 3;

Result Grid Filter Rows: A

| # | idSeller | Surname  | FirstName | Department_id |
|---|----------|----------|-----------|---------------|
| 1 | 1        | Иванов   | Алеше...  | 1             |
| 2 | 2        | Абрамов  | Андрей    | 1             |
| 3 | 3        | Антонов  | Антон     | 1             |
| 4 | 5        | Петров   | Сергей    | 2             |
| 5 | 6        | Петрова  | Елена     | 2             |
| 6 | 12       | Васил... | Игорь     | 4             |
| 7 | 15       | Кузнецов | Максим    | 5             |
| 8 | 20       | Павлов   | Дмитрий   | 5             |

Edit: Wrap Cell Content

Sellers 35

Query Completed

- 1 запрос на использование комбинации логических операторов;

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Query 4

1

2   SELECT \* FROM Sellers WHERE (Department\_id = 1 OR Department\_id = 2) AND Surname = 'Петров';

Result Grid Filter Rows: A Edit: Export/Import: Wrap Cell Content: Result Grid Form Editor Field Types Query Stats

| # | idSeller | Surname | FirstName | Department_id |
|---|----------|---------|-----------|---------------|
| 1 | 5        | Петров  | Сергей    | 2             |
| 2 | NULL     | NULL    | NULL      | NULL          |

Sellers 36

Apply Revert

Query Completed

- 1 запрос на использование выражений над столбцами;

MySQL Workbench

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Query 4

1  
2   SELECT idSeller, CONCAT(FirstName, ' ', Surname) AS FullName FROM Sellers;

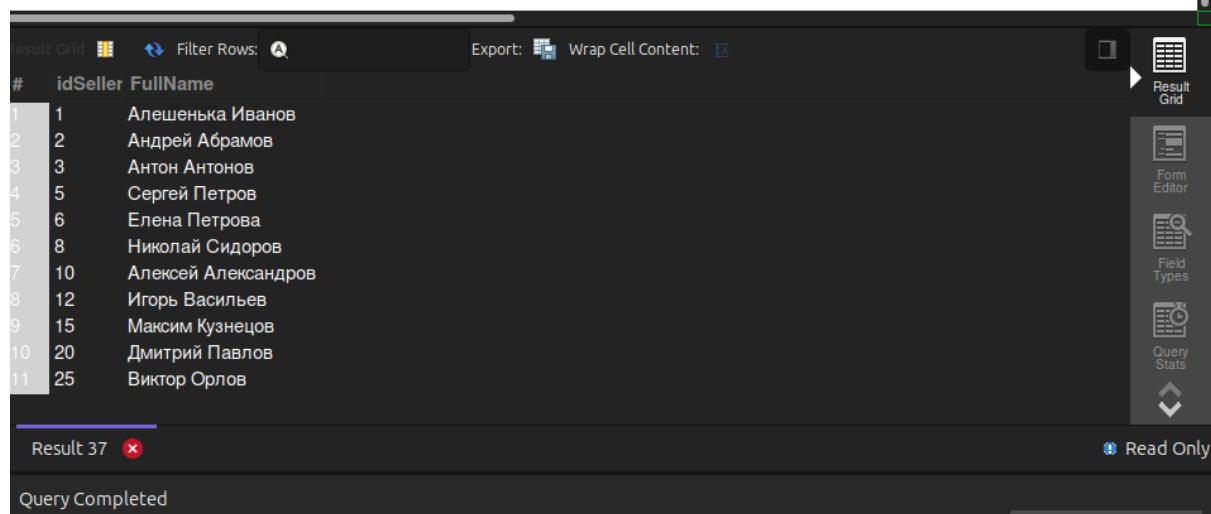
Result Grid Filter Rows: Export: Wrap Cell Content: Result Grid Form Editor Field Types Query Stats

| #  | idSeller | FullName            |
|----|----------|---------------------|
| 1  | 1        | Алешенька Иванов    |
| 2  | 2        | Андрей Абрамов      |
| 3  | 3        | Антон Антонов       |
| 4  | 5        | Сергей Петров       |
| 5  | 6        | Елена Петрова       |
| 6  | 8        | Николай Сидоров     |
| 7  | 10       | Алексей Александров |
| 8  | 12       | Игорь Васильев      |
| 9  | 15       | Максим Кузнецов     |
| 10 | 20       | Дмитрий Павлов      |
| 11 | 25       | Виктор Орлов        |

Result 37

Query Completed

Read Only



- 2 запроса с проверкой на принадлежность множеству;

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Query 4

1  
2   SELECT \* FROM Sellers WHERE Department\_id IN (1, 3, 7);  
3  
4 • SELECT \* FROM Sellers WHERE Surname IN ('Иванов', 'Петров', 'Сидоров');

Result Grid Filter Rows: A Export/Import: Wrap Cell Content: Result Grid Form Editor Field Types Query Stats

| # | idSeller | Surname  | FirstName | Department_id |
|---|----------|----------|-----------|---------------|
| 1 | 1        | Иванов   | Алеше...  | 1             |
| 2 | 2        | Абрамов  | Андрей    | 1             |
| 3 | 3        | Антонов  | Антон     | 1             |
| 4 | 8        | Сидоров  | Николай   | 3             |
| 5 | 10       | Алекс... | Алексей   | 3             |
| . | NULL     | NULL     | NULL      | NULL          |

Sellers 38

Query Completed

MySQL Workbench

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Query 4

Limit to 1000 rows

```
1
2   SELECT * FROM Sellers WHERE Department_id IN (1, 3, 7);
3
4 • SELECT * FROM Sellers WHERE Surname IN ('Иванов', 'Петров', 'Сидоров');
```

Result Grid

Filter Rows:

Edit: Export/Import: Wrap Cell Content:

| # | idSeller | Surname | FirstName | Department_id |
|---|----------|---------|-----------|---------------|
| 1 | 1        | Иванов  | Алеше...  | 1             |
| 2 | 5        | Петров  | Сергей    | 2             |
| 3 | 8        | Сидоров | Николай   | 3             |
| . | NULL     | NULL    | NULL      | NULL          |

Result Grid

Form Editor

Field Types

Query Stats

Sellers 39

Apply Revert

Query Completed

- 2 запроса с проверкой на принадлежность диапазону значений;

MySQL Workbench

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Query 4

1  
2  
3 • `SELECT * FROM Sellers WHERE idSeller BETWEEN 5 AND 15;`  
4  
5  
6 • `SELECT * FROM Sellers WHERE Department_id BETWEEN 1 AND 3;`

Result Grid Filter Rows: A Edit: Export/Import: Wrap Cell Content: Result Grid Form Editor Field Types Query Stats

| # | idSeller | Surname  | FirstName | Department_id |
|---|----------|----------|-----------|---------------|
| 1 | 5        | Петров   | Сергей    | 2             |
| 2 | 6        | Петрова  | Елена     | 2             |
| 3 | 8        | Сидоров  | Николай   | 3             |
| 4 | 10       | Алекс... | Алексей   | 3             |
| 5 | 12       | Васил... | Игорь     | 4             |
| 6 | 15       | Кузнецов | Максим    | 5             |
| . | NULL     | NULL     | NULL      | NULL          |

Sellers 40

Apply Revert

Query Completed

MySQL Workbench

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Query 4

1  
2  
3 • `SELECT * FROM Sellers WHERE idSeller BETWEEN 5 AND 15;`  
4  
5  
6 • `SELECT * FROM Sellers WHERE Department_id BETWEEN 1 AND 3;`

Result Grid Filter Rows: A Edit: Export/Import: Wrap Cell Content: Result Grid Form Editor Field Types Query Stats

| # | idSeller | Surname  | FirstName | Department_id |
|---|----------|----------|-----------|---------------|
| 1 | 1        | Иванов   | Алеше...  | 1             |
| 2 | 2        | Абрамов  | Андрей    | 1             |
| 3 | 3        | Антонов  | Антон     | 1             |
| 4 | 5        | Петров   | Сергей    | 2             |
| 5 | 6        | Петрова  | Елена     | 2             |
| 6 | 8        | Сидоров  | Николай   | 3             |
| 7 | 10       | Алекс... | Алексей   | 3             |
| . | NULL     | NULL     | NULL      | NULL          |

Sellers 41

Query Completed

- 2 запроса с проверкой на соответствие шаблону;

MySQL Workbench

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Query 4

1  
2  
3 • `SELECT * FROM Sellers WHERE Surname LIKE 'A%';`  
4  
5  
6 • `SELECT * FROM Sellers WHERE Surname LIKE '%OB%';`

Result Grid Filter Rows: A Export/Import: Wrap Cell Content: Result Grid Form Editor Field Types Query Stats

| # | idSeller | Surname  | FirstName | Department_id |
|---|----------|----------|-----------|---------------|
| 1 | 2        | Абрамов  | Андрей    | 1             |
| 2 | 3        | Антонов  | Антон     | 1             |
| 3 | 10       | Алекс... | Алексей   | 3             |
| . | NULL     | NULL     | NULL      | NULL          |

Sellers 42

Query Completed

Apply Revert

MySQL Workbench

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Query 4

1  
2  
3 • `SELECT * FROM Sellers WHERE Surname LIKE 'A%';`  
4  
5  
6 • `SELECT * FROM Sellers WHERE Surname LIKE '%OB%';`

Result Grid Filter Rows: A Export/Import: Wrap Cell Content: Result Grid Form Editor Field Types Query Stats

| #  | idSeller | Surname  | FirstName | Department_id |
|----|----------|----------|-----------|---------------|
| 1  | 1        | Иванов   | Алеше...  | 1             |
| 2  | 2        | Абрамов  | Андрей    | 1             |
| 3  | 3        | Антонов  | Антон     | 1             |
| 4  | 5        | Петров   | Сергей    | 2             |
| 5  | 6        | Петрова  | Елена     | 2             |
| 6  | 8        | Сидоров  | Николай   | 3             |
| 7  | 10       | Алекс... | Алексей   | 3             |
| 8  | 15       | Кузнецов | Максим    | 5             |
| 9  | 20       | Павлов   | Дмитрий   | 5             |
| 10 | 25       | Орлов    | Виктор    | NULL          |
|    | NULL     | NULL     | NULL      | NULL          |

Sellers 43

Apply Revert

Query Completed

- 1 запрос с проверкой на неопределенное значение.

MySQL Workbench

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Query 4

1

2 • SELECT \* FROM Sellers WHERE Department\_id IS NULL;

Result Grid Filter Rows: A

Edit: Export/Import: Wrap Cell Content: Result Grid

| # | idSeller | Surname | FirstName | Department_id |
|---|----------|---------|-----------|---------------|
| 1 | 25       | Орлов   | Виктор    | NULL          |
|   | NULL     | NULL    | NULL      | NULL          |

Sellers 44

Apply Revert

Query Completed

Form Editor

Field Types

Query Stats