

AdministrationSchemas

Information:.....

Schema: **hogwarts**

Diggory	Cedric	14
Potter	Harry	11
Granger	Hermione	11
Weasley	Ron	11
Malfoy	Draco	11
Crabbe	Vincent	11
Goyle	Gregory	11
Lovegood	Luna	11

characters 195characters 196 xRead Only

MySQL Workbench

Local instance MySQL80 x

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator:.....

SCHEMAS

Filter objects

asd

garry

garrys

▼ **hogwarts**

Tables

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Stored Procedures

Functions

sakila

stud

studentsa

sys

world

Query 1 x

Limit to 1000 rows

1SELECT Iname,age FROM characters WHERE age IN (SELECT age WHERE age BETWEEN 50 AND 100);

5. Выведите имя персонажа и возраст, у которых последний находится в диапазоне от 50 до 100 лет

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Inameage

SQLAdditions:

Automa disabled. manual current c toggle

Snake 55



MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help



Navigator

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Query 1 x

Limit to 1000 rows

```
1 • SELECT * FROM hogwarts.characters;  
2 • SELECT DISTINCT age FROM characters;
```

6. Выведите возраст всех персонажей так, чтобы среди них не было тех, у кого он одинаковый

SQLAdditions

Jump to

Automatic context help disabled. Use the toolbar manually get help for current caret position or toggle automatic help

Result Grid

age
11
111
14
55
NULL

Filter Rows:

Export: Wrap Cell Content: I A

Result Grid

Form Editor

Administration Schemas

Information

characters 52

characters 53 x

Read Only

Context Help Snippets

MySQL Workbench

Local instance MySQL80 x

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Navigator: Schemas

Filter objects

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Query 1 x

Limit to 1000 rows

```
1 SELECT * FROM characters WHERE (faculty="Gryffindor" and age >=30);
```

7. Выведите всю информацию о персонажах, у которых faculty = Gryffindor и чей возраст больше 30 лет

Result Grid

	char_id	fname	lname	age	faculty	patronus	book_id
▶	7	Albus	Dumbledore	111	Gryffindor	Phoenix	2
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Administration Schemas

Information

Schema: hogwarts

characters 204 x

Apply Revert Context Help

SQLAdditions

Automatically disabled manual current toggle

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: Query 1 x

Limit to 1000 rows

```
1 • SELECT * FROM characters;
2 • SELECT DISTINCT faculty FROM characters limit 3;
```

8. Выведите имена первых трех факультетов из таблицы, так чтобы факультеты не повторялись

Result Grid

	faculty
▶	Gryffindor
	Slytherin
	Ravendaw

Administration Schemas

Information

Schema: hogwarts

Result Grid

Form Editor

Field Types

characters 246

characters 247 x

Read Only

MySQL Workbench

Local instance MySQL80 x

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Navigator

SCHEMAS

Filter objects

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Query 1 x

Limit to 1000 rows

```
1 • SELECT * FROM characters;  
2 • SELECT * FROM characters WHERE fname LIKE "H_____";
```

9. Выведите имена всех персонажей, у которых имя начинается с 'H' и состоит из 5 букв, или чье имя начинается с 'L'

Result Grid							
Filter Rows:							
	char_id	fname	lname	age	faculty	patronus	book_id
▶	1	Harry	Potter	11	Gryffindor	Stag	10
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Administration Schemas

Information

Schema: hogwarts

Result Grid

Form Editor

Field

characters 264 characters 265 x Apply Revert

Field Types

MySQL Workbench

Local instance MySQL80 x

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Navigator

SCHEMAS

Filter objects

asd

garry

garrys

▼ hogwarts

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Functions

sakila

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sys

world

Query 1 x

Limit to 1000 rows

1 • SELECT * FROM hogwarts.characters;

2 • SELECT AVG(age) FROM characters;

10.Посчитайте средний возраст всех персонажей

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

AVG(age)

25.7000

Result Grid

Form Editor

Administration Schemas

Information

characters 82 Result 83 x

Read Only

Context Help Snippets

Automatic context help disabled. Use the toolbar manually get help for the current caret position or toggle automatic help

Schema: hogwarts

Output

MySQL Workbench

Local instance MySQL80 x

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Navigator

SCHEMAS

Filter objects

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Query 1 x

Limit to 1000 rows

```
1 • SELECT * FROM hogwarts.characters;  
2 • DELETE FROM characters WHERE char_id="11";
```

11. Удалите персонажа с ID = 11

Result Grid

	char_id	fname	lname	age	faculty	patronus	book_id
▶	1	Harry	Potter	11	Gryffindor	Stag	10
	2	Hermione	Granger	11	Gryffindor	Otter	9
	3	Ron	Weasley	11	Gryffindor	Jack Russell terrier	8
	4	Draco	Malfoy	11	Slytherin	NULL	6
	5	Vincent	Crabbe	11	Slytherin	NULL	6
	6	Gregory	Goyle	11	Slytherin	NULL	1
	7	Albus	Dumbledore	111	Gryffindor	Phoenix	2
	8	Luna	Lovegood	11	Ravendaw	Hare	2

Administration Schemas

Information

Schema: hogwarts

SQLAd

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Result
Grid

Form
Editor

Field

9	Cedric	Diggory	14	Hufflepuff	Unknown	3
10	Severus	Snape	55	Slytherin	Doe	4
*	NULL	NULL	NULL	NULL	NULL	NULL

characters 88 x Apply Revert Context

Output

MySQL Workbench

Local instance MySQL80 x

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Navigator

SCHEMAS

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Query 1 x

Limit to 1000 rows

```
1 • SELECT * FROM hogwarts.characters;
2 • SELECT fname FROM characters WHERE fname LIKE "%a%";
```

10. Выведите фамилию всех персонажей, которые содержат в ней букву 'а'

Result Grid

Filter Rows: Export: Wrap Cell Content:

fname
Harry
Draco
Albus
Luna

Result Grid Form

Schema: **hogwarts**

characters 99 characters 100 x Read Only

MySQL Workbench

Local instance MySQL80 x

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Navigator

SCHEMAS

Filter objects

asd

garry

garrys

hogwarts

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world

Query 1 x

Limit to 1000 rows

1 • SELECT * FROM hogwarts.characters;

2 • SELECT fname AS "Half-Blood Prince" FROM characters;

13.

Используйте псевдоним для того, чтобы временно заменить название столбца fname на Half-Blood Prince для реального принца-полукровки

Result Grid

Half-Blood Prince

Harry

AdministrationSchemas

Information

Schema: **hogwarts**

Hermione
Ron
Draco
Vincent
Gregory
Albus
Luna
Cedric
Severus

characters 103characters 104 xRead Only

Form Editor
Field Types

MySQL Workbench

Local instance MySQL80 x

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Tables
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Functions
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sys
world

Query 1 x
Limit to 1000 rows
1 • * FROM characters;
2
3 • lname,fname from characters where lname in (SELECT lname FROM characters WHERE lname LIKE "Crabbe");

15.Используя оператор IN, выведите имя и фамилию тех персонажей, у которых фамилия Crabbe, Granger или Diggory

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

Administration Schemas

Information

Schema: **hogwarts**

characters 283 characters 284 x Read Only

Crabbe Vincent

Result Grid

Form Editor

Field Types

MySQL Workbench

Local instance MySQL80 x

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Navigator

SCHEMAS

Filter objects

- asd
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- garrys
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- world

Query 1 x

Limit to 1000 rows

```
1 • SELECT * FROM characters;
2
3 • SELECT MIN(age) AS min_age FROM characters;
```

16. Выведите минимальный возраст персонажа

Administration Schemas

Information

Schema: **hogwarts**

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

min_age
11

characters 280 Result 281 x Read Only

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: Query 1 x Administration - Data Import/Res...

SCHEMAS

Filter objects

asd

garry

garrys

hogwarts

Tables

characters

library

Columns

Indexes

Foreign Keys

Triggers

Views

Stored Procedures

Functions

hogwartss

sakila

stud

studentsa

sys

1 • select * from hogwarts.library where book_name in (select book_name from library)

2 union

3 select * from hogwarts.library where book_name in (select book_name from library);

Result Grid Filter Rows: Export: Wrap Cell Content:

lib_id	char_id	book_name	start_date	end_date	book_id
1	6	Hogwarts: A History	2010-10-20	2020-10-20	1
2	7	Quidditch Through The Ages	2010-11-20	2020-11-20	2
3	9	The Lockhart Collection	2015-12-20	2030-12-20	3
4	10	Moste Potente Potions	2001-01-20	2002-01-20	4
5	11	The Life And Lies Of Albus Dumbledore	2018-07-20	2028-07-20	5
6	4	Fantastic Beasts And Where To Find Them	2010-10-20	2020-10-20	6
7	13	The Tales Of Beadle The Bard	2003-03-20	2004-03-20	7
8	3	Advanced Potion-Making	2003-05-20	2006-05-20	8
9	2	A History Of Magic	2012-12-20	2022-12-20	9
10	1	Magical Water Plants Of The Highland Rocks	2006-06-20	2010-06-20	10
11	8	Quidditch Through The Ages	2010-11-20	2020-11-20	2
12	12	Magical Water Plants Of The Highland Rocks	2010-11-20	2020-10-20	10
13	5	Fantastic Beasts And Where To Find Them	2006-06-20	0000-00-00	6

Administration Schemas

Information

Schema: hogwarts

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help



Navigator Administration - Data Import/Res...

SCHEMAS

Filter objects

- asd
- garry
- garrys
- hogwarts**
 - Tables
 - characters
 - library
 - Columns
 - Indexes
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 - Triggers
 - Views
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 - sakila
 - stud
 - studentsa

```

1 • select * from hogwarts.characters where fname in (select fname from characters)
2 union
3 select * from hogwarts.characters where fname in (select fname from characters);

```

17.Используя оператор UNION выберите имена из таблицы characters

studentsa
sys
world

Administration Schemas

Information

Schema: hogwarts

Result Grid

Filter Rows: Export: Wrap Cell Content:

	char_id	fname	lname	age	faculty	patronus	book_id
▶	1	Harry	Potter	11	Gryffindor	Stag	10
	2	Hermione	Granger	11	Gryffindor	Otter	9
	3	Ron	Weasley	11	Gryffindor	Jack Russell terrier	8
	4	Draco	Malfoy	11	Slytherin	NULL	6
	5	Vincent	Crabbe	11	Slytherin	NULL	6
	6	Gregory	Goyle	11	Slytherin	NULL	1
	7	Albus	Dumbledore	111	Gryffindor	Phoenix	2
	8	Luna	Lovegood	11	Ravendaw	Hare	2
	9	Cedric	Diggory	14	Hufflepuff	Unknown	3
	10	Severus	Snape	55	Slytherin	Doe	4

Result Grid
Form Editor
Field Types
Query Stats
Execution Plan

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Filter objects

▼ hogwarts

▼ Tables

▶ characters

▼ library

▶ Columns

▶ Indexes

▶ Foreign Keys

▶ Triggers

Views

Stored Procedures

Functions

▶ sakila

▶ stud

▶ studentsa

▶ sys

Query 1 x Administration - Server Status

Limit to 1000 rows

1 •

2 •

3 • lname, library.book_name from characters JOIN library on characters.char_id = library.char_id;

task2.

1. Выведите имя, фамилию персонажей и название книги, которая на них числится

world

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	fname	lname	book_name
▶	Harry	Potter	Magical Water Plants Of The Highland Rocks
	Hermione	Granger	A History Of Magic
	Ron	Weasley	Advanced Potion-Making
	Draco	Malfoy	Fantastic Beasts And Where To Find Them
	Vincent	Crabbe	Fantastic Beasts And Where To Find Them
	Gregory	Goyle	Hogwarts: A History
	Albus	Dumbledore	Quidditch Through The Ages
	Luna	Lovegood	Quidditch Through The Ages
	Cedric	Diggory	The Lockhart Collection
	Severus	Snape	Moste Potente Potions
	Lord	Voldemort	The Life And Lies Of Albus Dumbledore

Administration Schemas

Information

No object selected

Result Grid

Form Editor

Field Types

Query Stats

Execution Plan