

1. Выведите имя, фамилию персонажей и название книги, которая на них числится
- (Print the name, surname of the characters and the title of the book that is listed on them)

Query 1 characters library **characters** x

Limit to 1000 rows

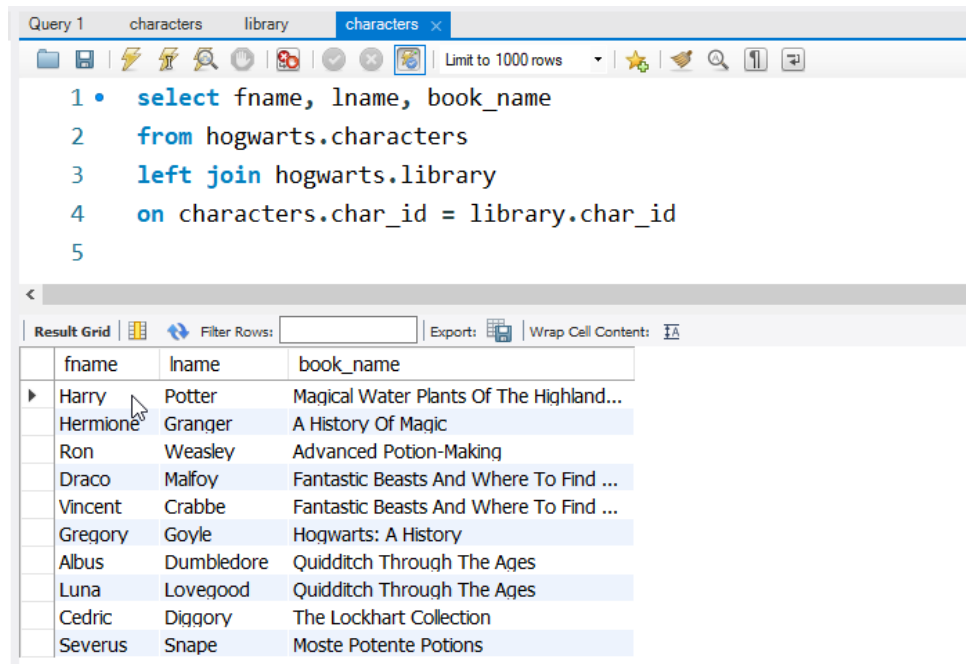
```
1 • select fname,lname,book_name
2   from hogwarts.characters
3   inner join hogwarts.library
4   on characters.book_id = library.book_id
5
```

<

Result Grid Filter Rows: Exports: Wrap Cell Content: [fA](#)

	fname	lname	book_name
▶	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
	Draco	Malfoy	Fantastic Beasts And Where To Find ...
	Vincent	Crabbe	Fantastic Beasts And Where To Find ...
	Ron	Weasley	Advanced Potion-Making
	Hermione	Granger	A History Of Magic
	Harry	Potter	Magical Water Plants Of The Highland...
	Albus	Dumbledore	Quidditch Through The Ages
	Luna	Lovegood	Quidditch Through The Ages
	Harry	Potter	Magical Water Plants Of The Highland...
	Draco	Malfoy	Fantastic Beasts And Where To Find ...
	Vincent	Crabbe	Fantastic Beasts And Where To Find ...

2. Выведите имя, фамилию персонажей и название книги, вне зависимости от того, есть ли у них книги или нет
(Enter the name, surname of the characters and the title of the book, regardless of whether they have books or not)



The screenshot shows a database query editor with a tab labeled 'characters'. The SQL query is as follows:

```
1 • select fname, lname, book_name
2 from hogwarts.characters
3 left join hogwarts.library
4 on characters.char_id = library.char_id
5
```

Below the query, the 'Result Grid' shows the following data:

fname	lname	book_name
Harry	Potter	Magical Water Plants Of The Highland...
Hermione	Granger	A History Of Magic
Ron	Weasley	Advanced Potion-Making
Draco	Malfoy	Fantastic Beasts And Where To Find ...
Vincent	Crabbe	Fantastic Beasts And Where To Find ...
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

3. Выведите название книги и имя патронуса, вне зависимости от того, есть ли информация о держателе книги в таблице или нет
(Enter the name of the book and the patronus name, regardless of whether there is information about the book holder in the table or not)

Query 1 characters library **characters** x

Limit to 1000 rows

```

1 • select book_name, patronus
2   from hogwarts.characters
3   inner join hogwarts.library
4   on characters.char_id = library.char_id
5

```

Result Grid Filter Rows: Export: Wrap Cell Content: [fA](#)

	book_name	patronus
▶	Magical Water Plants Of The Highland...	Stag
	A History Of Magic	Otter
	Advanced Potion-Making	Jack Russell terrier
	Fantastic Beasts And Where To Find ...	NULL
	Fantastic Beasts And Where To Find ...	NULL
	Hogwarts: A History	NULL
	Quidditch Through The Ages	Phoenix
	Quidditch Through The Ages	Hare
	The Lockhart Collection	Unknown
	Moste Potente Potions	Doe

4. Выведите имя, фамилию, возраст персонажей и название книги, которая на них числится, при условии, что все владельцы книг должны быть старше 15 лет
(Enter the first name, last name, age of the characters and the title of the book that is listed on them, provided that all book owners must be over 15 years old)

Query 1 characters library **characters** x

Limit to 1000 rows

```

1 • select fname,lname,age,book_name
2   from hogwarts.characters
3   inner join hogwarts.library
4   on characters.char_id = library.char_id
5   where age>15

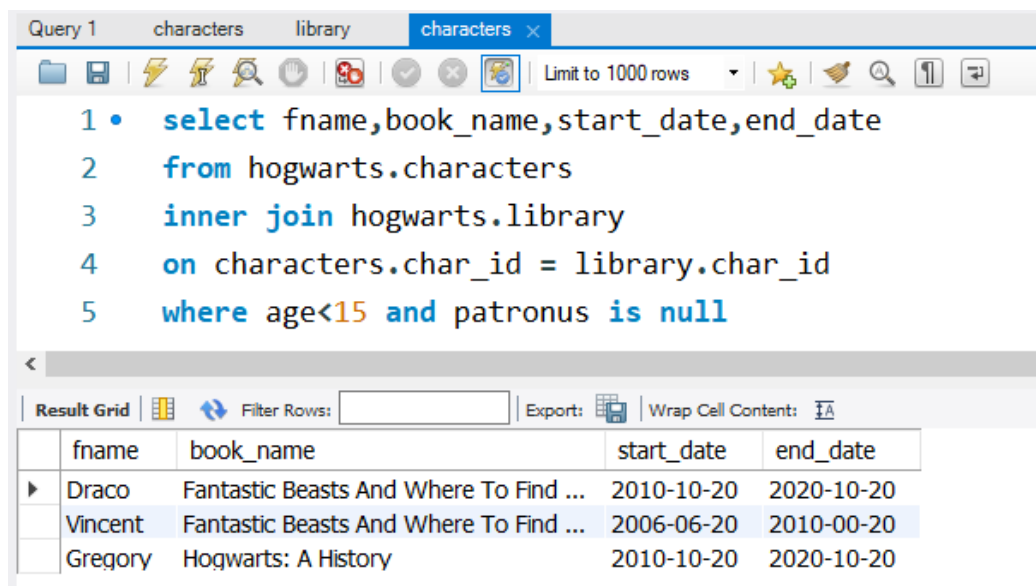
```

Result Grid Filter Rows: Export: Wrap Cell Content: [fA](#)

	fname	lname	age	book_name
▶	Albus	Dumbledore	111	Quidditch Through The Ages
	Severus	Snape	55	Moste Potente Potions

5. Выведите имя персонажа, название книги, дату выдачи и дату завершения, при условии, что он младше 15 лет и его патронус неизвестен

(Enter the name of the character, the title of the book, the date of issue and the date of completion, provided that he is under 15 years old and his patronus is unknown)



The screenshot shows a database query editor with a tab labeled 'characters'. The query is as follows:

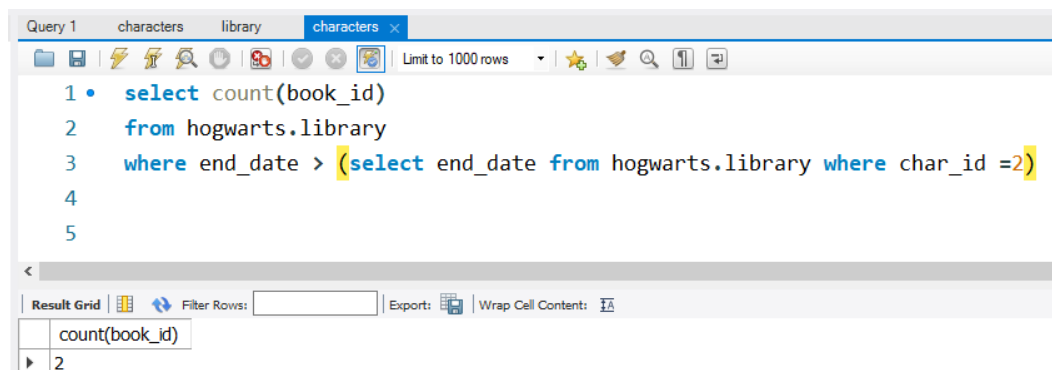
```
1 • select fname,book_name,start_date,end_date
2 from hogwarts.characters
3 inner join hogwarts.library
4 on characters.char_id = library.char_id
5 where age<15 and patronus is null
```

Below the query, the 'Result Grid' shows the following data:

	fname	book_name	start_date	end_date
▶	Draco	Fantastic Beasts And Where To Find ...	2010-10-20	2020-10-20
	Vincent	Fantastic Beasts And Where To Find ...	2006-06-20	2010-00-20
	Gregory	Hogwarts: A History	2010-10-20	2020-10-20

6. Используя вложенный запрос количество книг, у которых end_date больше, чем end_date у Hermione

(Using a nested query, the number of books whose end_date is greater than Hermione's end_date)



The screenshot shows a database query editor with a tab labeled 'characters'. The query is as follows:

```
1 • select count(book_id)
2 from hogwarts.library
3 where end_date > (select end_date from hogwarts.library where char_id =2)
4
5
```

Below the query, the 'Result Grid' shows the following data:

	count(book_id)
▶	2

7. С помощью вложенного запроса выведите имена всех патронусов, у которых владельцы старше возраста персонажа, у которого патронус Unknown

(Using a nested query, output the names of all patronuses whose owners are older than the age of the character whose patronus is Unknown)

The screenshot shows a SQL query editor with the following query:

```
1 • select patronus
2 from hogwarts.characters
3 where age > (select age from hogwarts.characters where patronus = 'unknown')
4
5
```

Below the query editor, the 'Result Grid' is visible, showing the results of the query:

patronus
Phoenix
Doe