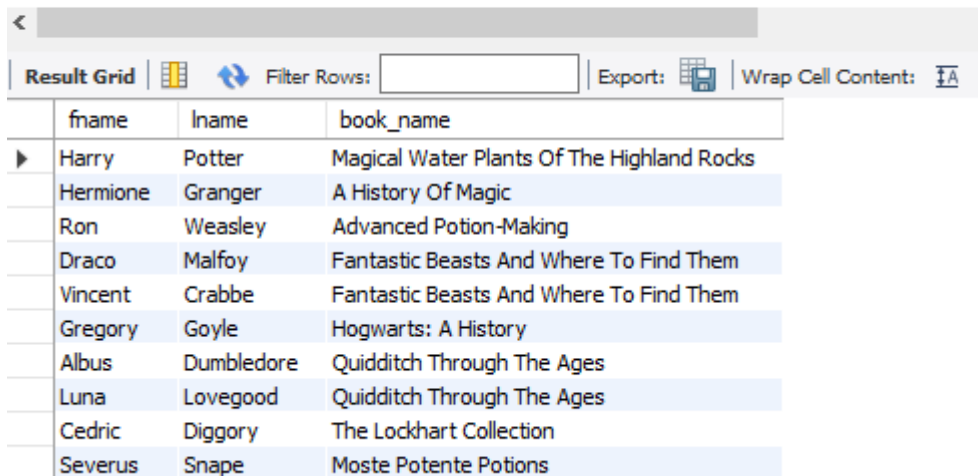


## Задание 2

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

```
47 • select characters.fname, characters.lname, library.book_name
48     from characters join library
49     on characters.char_id=library.char_id;
```

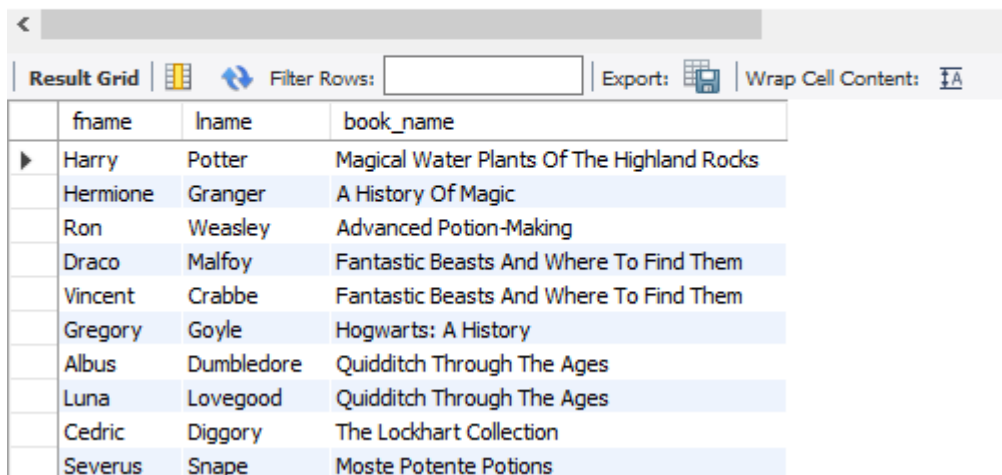


The screenshot shows a database query result grid. The interface includes a 'Result Grid' tab, a 'Filter Rows' input field, an 'Export' button, and a 'Wrap Cell Content' link. The table has three columns: 'fname', 'lname', and 'book\_name'. The data is as follows:

	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

2. Выведите имя, фамилию персонажей и название книги, вне зависимости от того, есть ли у них книги или нет

```
50 • select characters.fname, characters.lname, library.book_name
51     from characters left join library
52     on characters.char_id=library.char_id;
```



The screenshot shows a database query result grid. The interface includes a 'Result Grid' tab, a 'Filter Rows' input field, an 'Export' button, and a 'Wrap Cell Content' link. The table has three columns: 'fname', 'lname', and 'book\_name'. The data is as follows:

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	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

P.S. В БД у каждого персонажа есть книга.

3. Выведите название книги и имя патронуса, вне зависимости от того, есть ли информация о держателе книги в таблице или нет

```
53 • select characters.patronus, library.book_name
54 from characters right join library
55 on characters.book_id=library.book_id;
```

patronus	book_name
NULL	Hogwarts: A History
Phoenix	Quidditch Through The Ages
Hare	Quidditch Through The Ages
Unknown	The Lockhart Collection
Doe	Moste Potente Potions
NULL	The Life And Lies Of Albus Dumbledore
NULL	Fantastic Beasts And Where To Find Them
NULL	Fantastic Beasts And Where To Find Them
NULL	The Tales Of Beadle The Bard
Jack Russell terrier	Advanced Potion-Making
Otter	A History Of Magic
Stag	Magical Water Plants Of The Highland Rocks
Phoenix	Quidditch Through The Ages
Hare	Quidditch Through The Ages
Stag	Magical Water Plants Of The Highland Rocks
NULL	Fantastic Beasts And Where To Find Them
NULL	Fantastic Beasts And Where To Find Them

4. Выведите имя, фамилию, возраст персонажей и название книги, которая на них числится, при условии, что все владельцы книг должны быть старше 15 лет

```
41 • select characters.fname, characters.lname, characters.age, library.book_name
42 from characters join library
43 on characters.char_id=library.char_id where age>15;
```

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

```
44 • select characters.fname, library.book_name, library.start_date, library.end_date
45 from characters join library
46 on characters.char_id=library.char_id where age<15 and patronus !="unknown";
```

	fname	book_name	start_date	end_date
▶	Harry	Magical Water Plants Of The Highland Rocks	2006-06-20	2010-06-20
	Hermione	A History Of Magic	2012-12-20	2022-12-20
	Ron	Advanced Potion-Making	2003-05-20	2006-05-20
	Luna	Quidditch Through The Ages	2010-11-20	2020-11-20

6. Используя вложенный запрос количество книг, у которых end\_date больше, чем end\_date у Hermione

```
60 • select count(book_id) from library where end_date >
61 (select end_date from library where char_id=(select char_id from characters where fname="Hermione"));
```

	count(book_id)
▶	2

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

```
58 • select patronus from characters where age >
59 (select age from characters where patronus="Unknown");
```

	patronus
▶	Phoenix
	Doe