


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

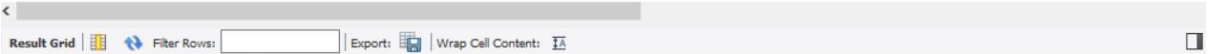
```
1 • use hogwarts;
2 • select*from characters;
3 • select*from library;
4 • select characters.fname, characters.lname, library.book_name from characters join library on characters.char_id=library.char_id;
```



	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

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



	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

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

```

1 • use hogwarts;
2 • select*from characters;
3 • select*from library;
4 • select characters.patronus,library.book_name from characters right join library on characters.char_id=library.char_id;

```

patronus	book_name
NULL	Hogwarts: A History
Phoenix	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	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
Hare	Quidditch Through The Ages
NULL	Magical Water Plants Of The Highland Rocks
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

```

use hogwarts;
select*from characters;
select*from library;
select characters.fname,characters.lname,characters.age,library.book_name from
characters
join library on characters.char_id=library.char_id
where age IN (select age from characters 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

```

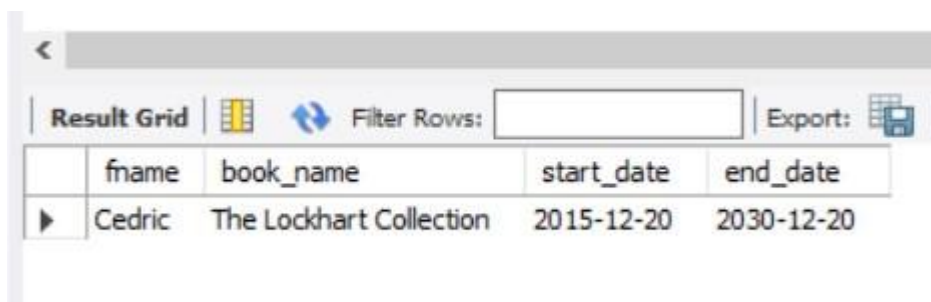
use hogwarts;

select*from characters;

select*from library;

select fname,book_name,start_date,end_date from hogwarts.characters
INNER JOIN hogwarts.library
ON hogwarts.characters.char_id=hogwarts.library.char_id
where age<15 AND patronus='Unknown';

```



	fname	book_name	start_date	end_date
▶	Cedric	The Lockhart Collection	2015-12-20	2030-12-20

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

```

1 • use hogwarts;
2 • select*from characters;
3 • select count(book_id) from hogwarts.library where end_date > (select end_date from hogwarts.library where char_id=2);

```



	count(book_id)
▶	2

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

```
1 • use hogwarts;
2 • select*from characters;
3 • select patronus from hogwarts.characters where age > (select age from hogwarts.characters where patronus="Unknown");
```

<	
Result Grid	Filter Rows: <input type="text"/>   Export:    Wrap Cell Content:
patronus	
► Phoenix	
Doe	