

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

```

39 • select lname from hogwarts.characters where lname not regexp "[L,P,S]";
40 • select *from hogwarts.characters;
41 • select *from hogwarts.library;
42 • select characters.fname, characters.lname, library.book_name FROM hogwarts.characters INNER JOIN hogwarts.library ON characters.char_id=library.char_id;
43
44
45
46

```

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

```

42 • select characters.char_id, characters.fname, characters.lname, library.book_name FROM hogwarts.characters INNER JOIN hogwarts.library ON characters.char_id=library.char_id;
43 • select characters.char_id, characters.fname, characters.lname, library.book_name FROM hogwarts.characters RIGHT JOIN hogwarts.library ON characters.char_id=library.char_id;
44
45
46
47

```

char_id	fname	lname	book_name
NULL	NULL	NULL	The Life And Lies Of Albus Dumbledore
NULL	NULL	NULL	The Tales Of Beedle The Bard
NULL	NULL	NULL	Magical Water Plants Of The Highland Rocks
1	Harry	Potter	Magical Water Plants Of The Highland Rocks
2	Hermione	Granger	A History Of Magic
3	Ron	Weasley	Advanced Potion-Making
4	Draco	Malfoy	Fantastic Beasts And Where To Find Them
5	Vincent	Crabbe	Fantastic Beasts And Where To Find Them
6	Gregory	Goyle	Hogwarts: A History
7	Albus	Dumbledore	Quidditch Through The Ages
8	Luna	Lovegood	Quidditch Through The Ages
9	Cedric	Diggory	The Lockhart Collection
10	Severus	Snape	Moste Potente Potions

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

```

43 • select library.char_id, characters.fname, characters.lname, library.book_name FROM hogwarts.characters RIGHT JOIN hogwarts.library ON characters.char_id=library.char_id;
44 • select library.char_id, library.book_name, characters.patronus from hogwarts.library right join hogwarts.characters on characters.char_id=library.char_id;
45

```

char_id	book_name	patronus
1	Magical Water Plants Of The Highland Rocks	Stag
2	A History Of Magic	Otter
3	Advanced Potion-Making	Jack Russell terrier
4	Fantastic Beasts And Where To Find Them	NULL
5	Fantastic Beasts And Where To Find Them	NULL
6	Hogwarts: A History	NULL
7	Quidditch Through The Ages	Phoenix
8	Quidditch Through The Ages	Hare
9	The Lockhart Collection	Unknown
10	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

```
42 • select characters.char_id, characters.fname, characters.lname, library.book_name from hogwarts.characters inner join hogwarts.library on characters.char_id=library.char_id;
43 • select library.char_id, characters.fname, characters.lname, library.book_name from hogwarts.characters right join hogwarts.library on characters.char_id=library.char_id;
44 • select library.char_id, library.book_name, characters.patronus from hogwarts.library right join hogwarts.characters on characters.char_id=library.char_id;
45 • select characters.fname, characters.lname, characters.age, library.book_name from hogwarts.characters inner join hogwarts.library on characters.char_id=library.char_id where characters.age>15;
46
47
```

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

```
60
61 • SELECT count(library.book_id)
62 from hogwarts.library
63 WHERE library.end_date > (SELECT library.end_date
64 FROM hogwarts.library
65 WHERE library.char_id=2);
66
67
```

count(library.book_id)
2

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

```
60
61 • SELECT count(library.book_id)
62   from hogwarts.library
63  WHERE library.end_date > (SELECT library.end_date
64   FROM hogwarts.library
65  WHERE library.char_id=2);
66
67
```

Result Grid

count(library.book_id)
2

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

```
65   WHERE library.char_id=2);
66
67 • SELECT characters.patronus
68   FROM hogwarts.characters
69  WHERE characters.age > (SELECT characters.age
70   FROM hogwarts.characters
71  WHERE patronus = "Unknown");
72
73
74
```

Result Grid

patronus
Phoenix
Doe

