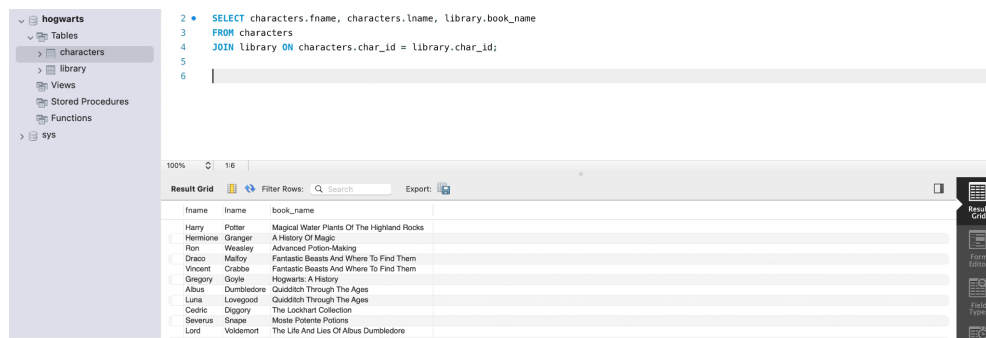


1. Выведите имя, фамилию персонажей и название книги, которая на них числится



The screenshot shows a database query editor with a sidebar on the left containing a tree view of the database schema. The main area displays a SQL query and its results in a table.

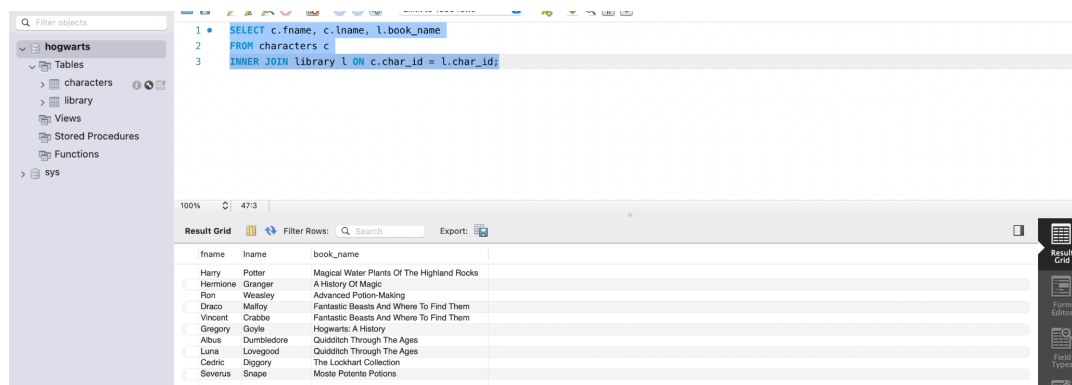
```

2 • SELECT characters.fname, characters.lname, library.book_name
3 FROM characters
4 JOIN library ON characters.char_id = library.char_id;
5
6

```

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	Snappe	Moste Potente Potions
Lord	Voldemort	The Life And Lies Of Albus Dumbledore

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



The screenshot shows a database query editor with a sidebar on the left containing a tree view of the database schema. The main area displays a SQL query and its results in a table.

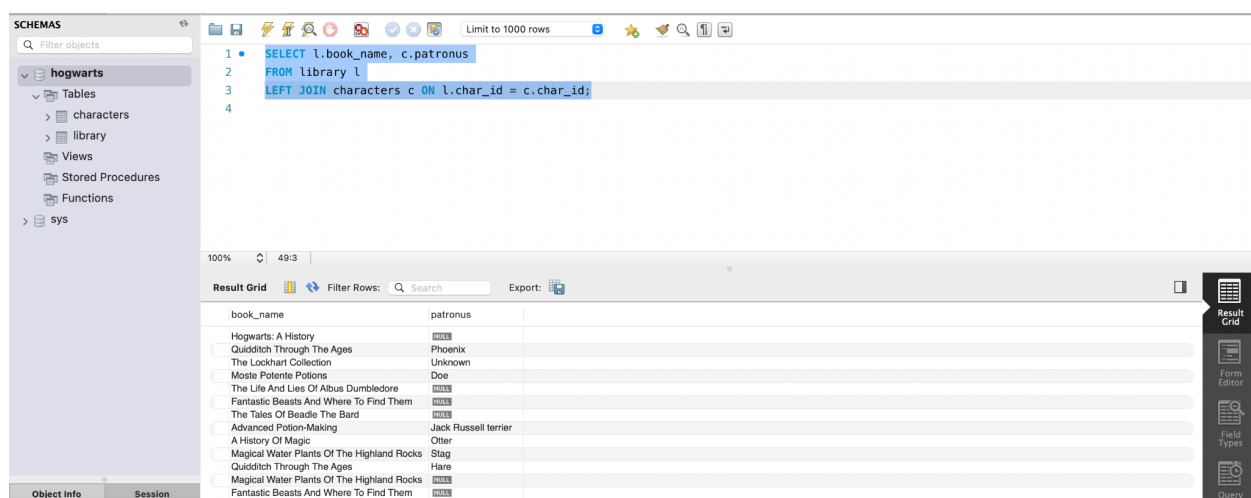
```

1 • SELECT c.fname, c.lname, l.book_name
2 FROM characters c
3 INNER JOIN library l ON c.char_id = l.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	Snappe	Moste Potente Potions

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



The screenshot shows a database query editor with a sidebar on the left containing a tree view of the database schema. The main area displays a SQL query and its results in a table.

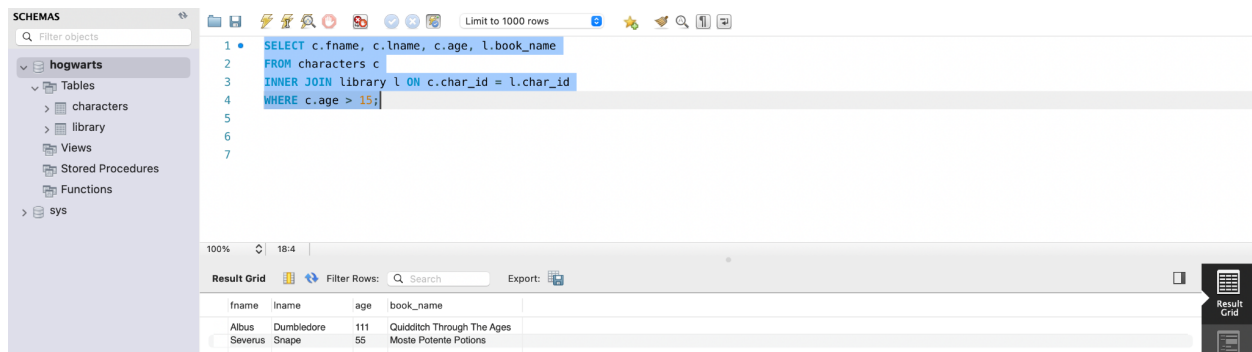
```

1 • SELECT l.book_name, c.patronus
2 FROM library l
3 LEFT JOIN characters c ON l.char_id = c.char_id;
4

```

book_name	patronus
Hogwarts: A History	None
Quidditch Through The Ages	Phoenix
The Lockhart Collection	Unknown
Moste Potente Potions	Doe
The Life And Lies Of Albus Dumbledore	None
Fantastic Beasts And Where To Find Them	None
The Tales Of Beedle The Bard	None
Advanced Potion-Making	Jack Russell terrier
A History Of Magic	Otter
Magical Water Plants Of The Highland Rocks	Stag
Quidditch Through The Ages	Hare
Magical Water Plants Of The Highland Rocks	None
Fantastic Beasts And Where To Find Them	None

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



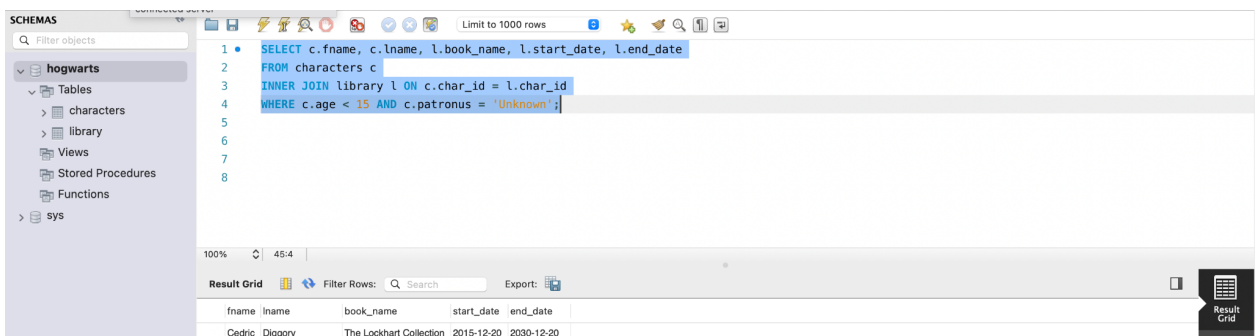
The screenshot shows a database interface with a schema tree on the left and a SQL editor on the right. The schema tree is expanded to 'hogwarts' > 'Tables'. The SQL editor contains the following query:

```
1 SELECT c.fname, c.lname, c.age, l.book_name
2 FROM characters c
3 INNER JOIN library l ON c.char_id = l.char_id
4 WHERE c.age > 15;
```

The results are displayed in a table with the following data:

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



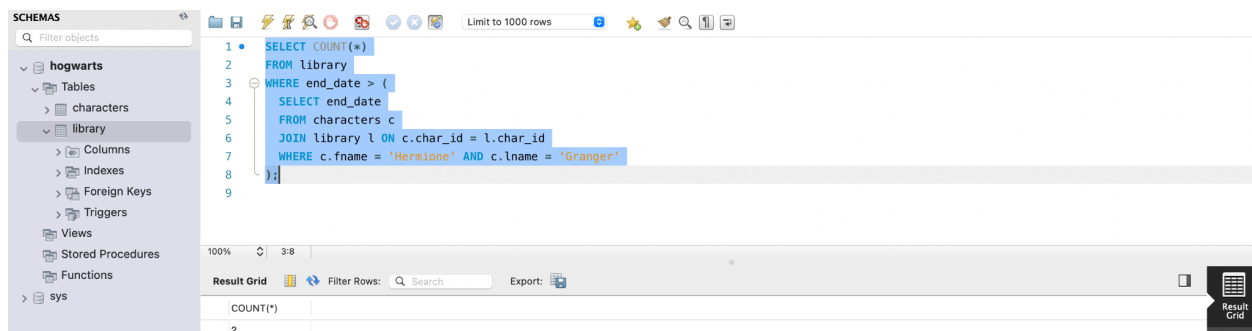
The screenshot shows a database interface with a schema tree on the left and a SQL editor on the right. The schema tree is expanded to 'hogwarts' > 'Tables'. The SQL editor contains the following query:

```
1 SELECT c.fname, c.lname, l.book_name, l.start_date, l.end_date
2 FROM characters c
3 INNER JOIN library l ON c.char_id = l.char_id
4 WHERE c.age < 15 AND c.patronus = 'Unknown';
```

The results are displayed in a table with the following data:

fname	lname	book_name	start_date	end_date
Cedric	Diggory	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



The screenshot shows a database interface with a schema tree on the left and a SQL editor on the right. The schema tree is expanded to 'hogwarts' > 'Tables'. The SQL editor contains the following query:

```
1 SELECT COUNT(*)
2 FROM library
3 WHERE end_date > (
4 SELECT end_date
5 FROM characters c
6 JOIN library l ON c.char_id = l.char_id
7 WHERE c.fname = 'Hermione' AND c.lname = 'Granger'
8 );
```

The results are displayed in a table with the following data:

COUNT(*)
2

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

SCHEMAS

Filter objects

▼ hogwarts

▼ Tables

> characters

▼ library

> Columns

> Indexes

> Foreign Keys

> Triggers

Views

Stored Procedures

Functions

> sys

1

2

3

4

5

6

7

SELECT patronus

FROM characters

WHERE age > (

SELECT age

FROM characters

WHERE patronus = 'Unknown')

100%

2:7

Result Grid

Filter Rows: Search

Export:

patronus
Phoenix
Doe

Result Grid