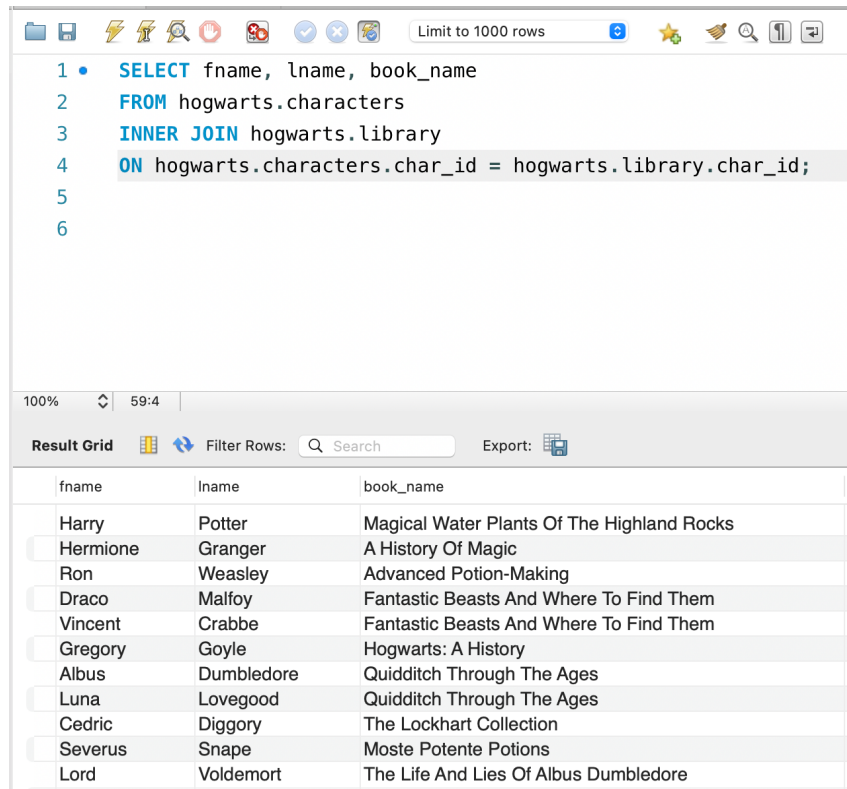


1. Выведите имя, фамилию персонажей и название книги, которая на них числится



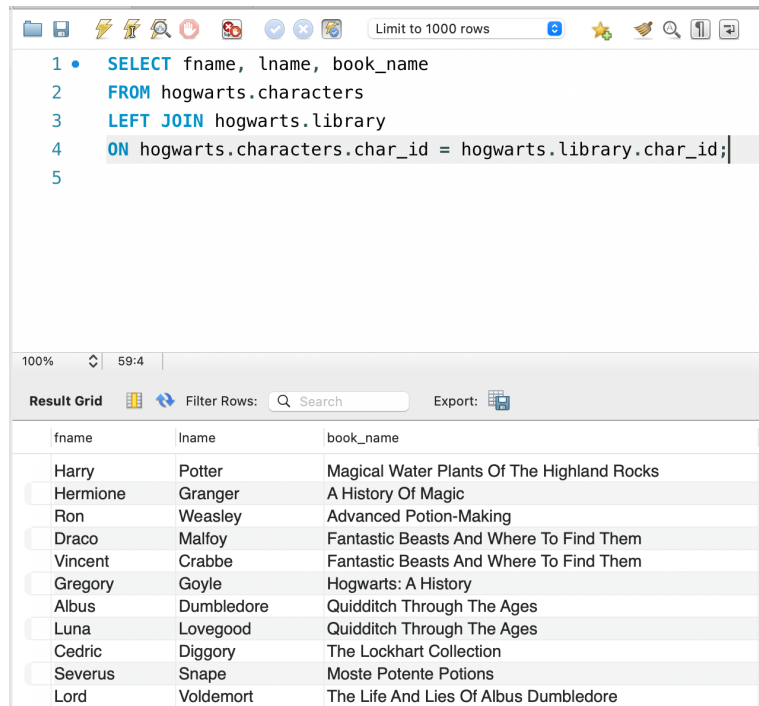
The screenshot shows a SQL IDE interface. The query editor contains the following SQL code:

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

Below the query editor, the 'Result Grid' shows the results of the query. The table has three columns: fname, lname, and book\_name. The results are 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
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



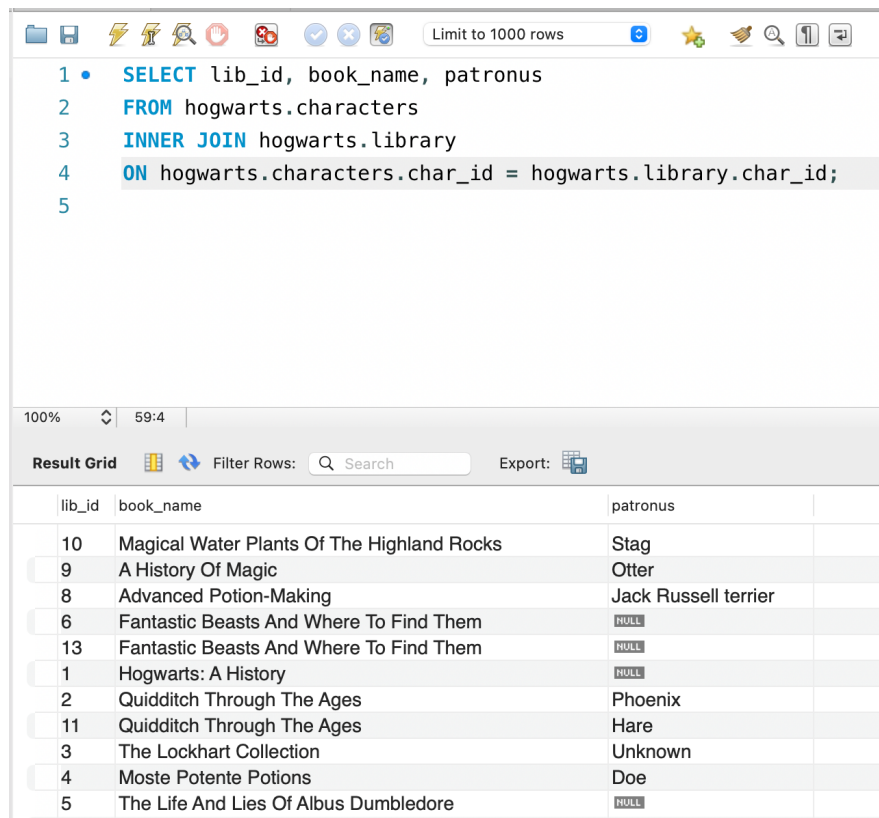
The screenshot shows a SQL IDE interface. The query editor contains the following SQL code:

```
1 • SELECT fname, lname, book_name
2 FROM hogwarts.characters
3 LEFT JOIN hogwarts.library
4 ON hogwarts.characters.char_id = hogwarts.library.char_id;
5
```

Below the query editor, the 'Result Grid' shows the results of the query. The table has three columns: fname, lname, and book\_name. The results are 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
Lord	Voldemort	The Life And Lies Of Albus Dumbledore

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 SQL query editor with a toolbar at the top. The query is as follows:

```
1 • SELECT lib_id, book_name, patronus
2 FROM hogwarts.characters
3 INNER JOIN hogwarts.library
4 ON hogwarts.characters.char_id = hogwarts.library.char_id;
5
```

Below the query editor, the 'Result Grid' is displayed. It includes a search bar and an 'Export' button. The results are shown in a table with three columns: lib\_id, book\_name, and patronus.

lib_id	book_name	patronus
10	Magical Water Plants Of The Highland Rocks	Stag
9	A History Of Magic	Otter
8	Advanced Potion-Making	Jack Russell terrier
6	Fantastic Beasts And Where To Find Them	NULL
13	Fantastic Beasts And Where To Find Them	NULL
1	Hogwarts: A History	NULL
2	Quidditch Through The Ages	Phoenix
11	Quidditch Through The Ages	Hare
3	The Lockhart Collection	Unknown
4	Moste Potente Potions	Doe
5	The Life And Lies Of Albus Dumbledore	NULL

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

1	•	SELECT	fname, lname, age, book_name
2		FROM	hogwarts.characters
3		INNER JOIN	hogwarts.library
4		ON	hogwarts.characters.char_id = hogwarts.library.char_id
5		WHERE	age > 15;
6			

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

1	•	SELECT	fname, book_name, start_date, end_date
2		FROM	hogwarts.characters
3		INNER JOIN	hogwarts.library
4		ON	hogwarts.characters.char_id = hogwarts.library.char_id
5		WHERE	age < 15 AND (patronus IS NULL OR patronus = "Unknown");
6			

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

The screenshot shows a SQL IDE interface. The query editor contains the following SQL code:

```
1 • SELECT COUNT(book_id)
2 FROM hogwarts.library
3 WHERE end_date > (SELECT end_date
4 FROM hogwarts.characters
5 INNER JOIN hogwarts.library
6 ON hogwarts.characters.char_id = hogwarts.library.char_id
7 WHERE hogwarts.characters.fname = "Hermione");
```

Below the query editor, the 'Result Grid' is displayed with 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

The screenshot shows a SQL IDE interface. The query editor contains the following SQL code:

```
1 • SELECT patronus
2 FROM hogwarts.characters
3 WHERE age > (SELECT age
4 FROM hogwarts.characters
5 WHERE hogwarts.characters.patronus = "Unknown");
```

Below the query editor, the 'Result Grid' is displayed with the following data:

patronus
Phoenix
Doe