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1) Show tables on the potterDB.

MariaDB [potterDB]> show tables;

```
+-----+
| Tables_in_potterDB |
+-----+
| appearsIn          |
| characters          |
| deathly_hollows    |
| horcruxes          |
| houses              |
| sides              |
| spells              |
| title              |
+-----+
```

8 rows in set (0.00 sec)

2) Include the command and output of:

- A list of the characters and the houses they belong to.

MariaDB [potterDB]> select c.characters_name, h.house_name from characters as c,
houses as h where c.house_id=h.house_id;

```
+-----+-----+
| characters_name | house_name |
+-----+-----+
| Harry Potter   | Gryffindor |
| Hermione Granger | Gryffindor |
| Albus Dumbledore | Gryffindor |
| Ginny Weasley   | Gryffindor |
| Neville Longbottom | Gryffindor |
| Ronald Weasley   | Gryffindor |
| Hannah Abbott   | Slytherin  |
| Susan Bones     | Slytherin  |
+-----+-----+
```

8 rows in set (0.00 sec)

- A list of books and the characters in them.

MariaDB [potterDB]> select c.characters_name, t.title from characters as c,
appearsIn as a, title as t where a.book_id=t.id and a.character_id=c.characters_id
order by characters_name;

```
+-----+-----+
| characters_name | title |
+-----+-----+
| Alastor Moody   | Harry Potter and the Goblet of Fire |
```

Albus Dumbledore	Harry Potter and the Prisoner of Azkaban	
Albus Dumbledore	Harry Potter and the Sorcerer's Stone	
Ginny Weasley	Harry Potter and the Goblet of Fire	
Hannah Abbott	Harry Potter and the Half-Blood Prince	
Harry Potter	Harry Potter and the Sorcerer's Stone	
Harry Potter	Harry Potter and the Goblet of Fire	
Harry Potter	Harry Potter and the Chamber of Secrets	
Harry Potter	Harry Potter and the Half-Blood Prince	
Harry Potter	Harry Potter and the Prisoner of Azkaban	
Harry Potter	Harry Potter and the Order of the Phoenix	
Harry Potter	Harry Potter and the Deathly Hallows	
Hermione Granger	Harry Potter and the Order of the Phoenix	
Hermione Granger	Harry Potter and the Half-Blood Prince	
Hermione Granger	Harry Potter and the Prisoner of Azkaban	
Hermione Granger	Harry Potter and the Deathly Hallows	
Hermione Granger	Harry Potter and the Sorcerer's Stone	
Hermione Granger	Harry Potter and the Chamber of Secrets	
Hermione Granger	Harry Potter and the Goblet of Fire	
Lord Voldemort	Harry Potter and the Order of the Phoenix	
Neville Longbottom	Harry Potter and the Goblet of Fire	
Ronald Weasley	Harry Potter and the Order of the Phoenix	
Susan Bones	Harry Potter and the Deathly Hallows	

+-----+-----+

23 rows in set (0.00 sec)

- A list of students and their favorite spell

MariaDB [potterDB]> select c.characters_name, s.spell_title from characters as c, spells as s where s.spell_id=c.spell_id;

+-----+-----+
characters_name spell_title
+-----+-----+
Harry Potter Stupefy
Hermione Granger Expelliarmus
Albus Dumbledore Wingardium Leviosa
Ginny Weasley Alohomora
Neville Longbottom Wingardium Leviosa
Ronald Weasley Avada Kedavra
Hannah Abbott Alohomora
Susan Bones Alohomora
+-----+-----+

8 rows in set (0.00 sec)

- A list of books sorted by publication date

MariaDB [potterDB]> select title,publication_date from title order by publication_date;

+-----+-----+
title publication_date

```

+-----+-----+
| Harry Potter and the Sorcerer's Stone | 1998-01-09 |
| Harry Potter and the Chamber of Secrets | 1999-02-06 |
| Harry Potter and the Prisoner of Azkaban | 1999-08-09 |
| Harry Potter and the Goblet of Fire | 2000-07-08 |
| Harry Potter and the Order of the Phoenix | 2003-06-21 |
| Harry Potter and the Half-Blood Prince | 2005-07-16 |
| Harry Potter and the Deathly Hallows | 2007-07-21 |
+-----+-----+
7 rows in set (0.00 sec)

```

MariaDB [potterDB]> select title,publication_date from title order by publication_date DESC;

```

+-----+-----+
| title | publication_date |
+-----+-----+
| Harry Potter and the Deathly Hallows | 2007-07-21 |
| Harry Potter and the Half-Blood Prince | 2005-07-16 |
| Harry Potter and the Order of the Phoenix | 2003-06-21 |
| Harry Potter and the Goblet of Fire | 2000-07-08 |
| Harry Potter and the Prisoner of Azkaban | 1999-08-09 |
| Harry Potter and the Chamber of Secrets | 1999-02-06 |
| Harry Potter and the Sorcerer's Stone | 1998-01-09 |
+-----+-----+
7 rows in set (0.00 sec)

```

- A list of characters by what side of the battle they are on
MariaDB [potterDB]> select c.characters_name, s.side_name,s.leader from characters as c, sides as s where s.side_id=c.side_id;

```

+-----+-----+-----+
| characters_name | side_name | leader |
+-----+-----+-----+
| Harry Potter | Order of Phoneix | Harry Potter |
| Hermione Granger | Order of Phoneix | Harry Potter |
| Albus Dumbledore | Order of Phoneix | Harry Potter |
| Ginny Weasley | Order of Phoneix | Harry Potter |
| Alastor Moody | Order of Phoneix | Harry Potter |
| Neville Longbottom | Order of Phoneix | Harry Potter |
| Ronald Weasley | Order of Phoneix | Harry Potter |
| Hannah Abbott | Order of Phoneix | Harry Potter |
| Susan Bones | Order of Phoneix | Harry Potter |
| Lord Voldemort | Death Eaters | Lord Voldemort |
+-----+-----+-----+
10 rows in set (0.00 sec)

```

3) Create a table of the Deathly Hallows.

o Show queries for the owner of all hallows throughout time.

MariaDB [potterDB]> select * from deathly_hallows;

+-----+		
deathly_hollow_id deathly_hollow_name owner		
+-----+		
	1 Invisible cloak	Albus Dumbledore
	2 Invisible cloak	James Potter
	3 Invisible cloak	Harry Potter
	4 Invisible cloak	Alastor Moody
	5 Resurrection Stone	Harry Potter
	6 Resurrection Stone	Albus Dumbledore
	7 Resurrection Stone	Cadmus Peverell
	8 Elder Wand	Albus Dumbledore
	9 Elder Wand	Gellert Grindelwald
	10 Elder Wand	Godelot
	11 Resurrection Stone	Marvolo Gaunt
	12 Elder Wand	Harry Potter
	13 Elder Wand	Tom Riddle
+-----+		

13 rows in set (0.00 sec)

MariaDB [potterDB]> select owner from deathly_hallows;

+-----+	
owner	
+-----+	
	Albus Dumbledore
	James Potter
	Harry Potter
	Alastor Moody
	Harry Potter
	Albus Dumbledore
	Cadmus Peverell
	Albus Dumbledore
	Gellert Grindelwald
	Godelot
	Marvolo Gaunt
	Harry Potter
	Tom Riddle
+-----+	

13 rows in set (0.00 sec)

4) Create a table of horcruxes; order of discovery and discoverer.

o Show queries for horcrux, name of discoverer and house of discoverer.

```
MariaDB [potterDB]> select h.horcruxes_id,h.name,a.house_name,a.house_founder  
from horcruxes as h, houses as a where h.character_id=a.house_id order by  
horcruxes_id;
```

horcruxes_id	name	house_name	house_founder
1	Harry Potter	Gryffindor	Godric Gryffindor
2	Helga Hufflepuffs Cup	Ravenclaw	Rowena Ravenclaw
3	Nagini	Gryffindor	Godric Gryffindor

3 rows in set (0.00 sec)