

Lab | SQL Queries 8

#1. Rank films by length (filter out the rows with nulls or zeros in length column). Select only columns title, length and rank in your output.

	title	length	ranks
▶	ALIEN CENTER	46	1
	IRON MOON	46	1
	KWAI HOMEWARD	46	1
	LABYRINTH LEAGUE	46	1
	RIDGEMONT SUBMARINE	46	1
	DIVORCE SHINING	47	6
	DOWNHILL ENOUGH	47	6
	HALLOWEEN NUTS	47	6
	HANOVER GALAXY	47	6
	HAWK CHILI	47	6

#2. Rank films by length within the `rating` category (filter out the rows with nulls or zeros in length column). In your output, only select the columns title, length, rating and rank.

	title	length	rating	ranks
▶	CONTROL ANTHEM	185	G	1
	DARN FORRESTER	185	G	1
	MUSCLE BRIGHT	185	G	1
	MOONWALKER FOOL	184	G	4
	CATCH AMISTAD	183	G	5
	YOUNG LANGUAGE	183	G	5
	BAKED CLEOPATRA	182	G	7
	INTRIGUE WORST	181	G	8
	LAWLESS VISION	181	G	8
	MISSOURI INT SPOTTERS	180	G	10

#3. How many films are there for each of the categories in the category table? **Hint**: Use appropriate join between the tables "category" and "film_category".

	category_name	num_films
▶	Sports	74
	Foreign	73
	Family	69
	Documentary	68
	Animation	66
	Action	64
	New	63
	Drama	62
	Games	61
	Sci-Fi	61

#4. Which actor has appeared in the most films? **Hint**: You can create a join between the tables "actor" and "film_actor" and count the number of times an actor appears.

	actor_id	first_name	last_name	film_count
▶	107	GINA	DEGENERES	42

#5. Which is the most active customer (the customer that has rented the most number of films)?

****Hint**:** Use appropriate join between the tables "customer" and "rental" and count the `rental_id` for each customer.

	customer_id	store_id	first_name	last_name	email	address_id	active	create_date	last_update	rental_count
▶	148	1	ELEANOR	HUNT	ELEANOR.HUNT@sakilacustomer.org	152	1	2006-02-14 22:04:36	2006-02-15 04:57:20	46

*****Bonus**:** Which is the most rented film? (The answer is Bucket Brotherhood).

#This query might require using more than one join statement. Give it a try. We will talk about queries with multiple join statements later in the lessons.

****Hint**:** You can use join between three tables - "Film", "Inventory", and "Rental" and count the *rental ids* for each film.

	title	rental_count
▶	BUCKET BROTHERHOOD	34