

SQL Quiz 2 Questions

Keep in mind there is usually more than one way to answer these questions.

These questions start off with the basics and then get continually more difficult.

Load **dvdrental** database by using `dvdrental.tar` to try these questions.

Questions:

1. Write SQL query that provides the following details: actor's first and last name combined as `full_name`, film title, film description and length of the movie.

- **Expected Result should look similar to this (with more rows):**

	full_name text	title character varying (255)	description text	length smallint
1	Penelope Guinness	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who m...	86
2	Penelope Guinness	Anaconda Confessions	A Lacklusture Display of a Dentist And a Dentist who m...	92
3	Penelope Guinness	Angels Life	A Thoughtful Display of a Woman And a Astronaut who ...	74
4	Penelope Guinness	Bulworth Commandments	A Amazing Display of a Mad Cow And a Pioneer who m...	61
5	Penelope Guinness	Cheaper Clyde	A Emotional Character Study of a Pioneer And a Girl wh...	87
6	Penelope Guinness	Color Philadelphia	A Thoughtful Panorama of a Car And a Crocodile who m...	149
7	Penelope Guinness	Elephant Trojan	A Beautiful Panorama of a Lumberjack And a Forensic P...	126
8	Penelope Guinness	Gleaming Jawbreaker	A Amazing Display of a Composer And a Forensic Psyc...	89
Total rows: 1000 of 5462 Query complete 00:00:00.828 Ln 6, Col 1				

2. Write a query that creates a list of actors and movies where the movie length was more than 60 minutes.

	actor_name text	movie_name character varying (255)
1	Penelope Guinness	Academy Dinosaur
2	Penelope Guinness	Anaconda Confessions
3	Penelope Guinness	Angels Life
4	Penelope Guinness	Bulworth Commandments
5	Penelope Guinness	Cheaper Clyde
6	Penelope Guinness	Color Philadelphia
7	Penelope Guinness	Elephant Trojan
8	Penelope Guinness	Gleaming Jawbreaker
Total rows: 1000 of 4900		Query complete 00:00:00.

3. Write a query that captures the actor id, full name of the actor, and counts the number of movies each actor has made. (HINT: Think about whether you should group by actor id or the full name of the actor.) Identify the actor who has made the maximum number of movies.

- Expected Results

	actor_id [PK] integer	actor_name text	movie_count bigint
1	107	Gina Degeneres	42
2	102	Walter Torn	41
3	198	Mary Keitel	40
4	181	Matthew Carrey	39
5	23	Sandra Kilmer	37
6	81	Scarlett Damon	36
7	13	Uma Wood	35
8	37	Val Bolger	35
Total rows: 200 of 200		Query complete 00:00:00.345	

4. Write a query that displays a table with 4 columns: actor's full name, film title, length of movie, and a column name "filmlen_groups" that classifies movies based on their length. Filmlen_groups should include 4 categories: 1 hour or less, Between 1-2 hours, Between 2-3 hours, More than 3 hours.

- Expected Result:

	actor_name text	title character varying (255)	length smallint	filmlen_groups text
1	Penelope Guinness	Academy Dinosaur	86	Group 2
2	Penelope Guinness	Anaconda Confessions	92	Group 2
3	Penelope Guinness	Angels Life	74	Group 2
4	Penelope Guinness	Bulworth Commandments	61	Group 2
5	Penelope Guinness	Cheaper Clyde	87	Group 2
6	Penelope Guinness	Color Philadelphia	149	Group 3
7	Penelope Guinness	Elephant Trojan	126	Group 3
8	Penelope Guinness	Gleaming Jawbreaker	89	Group 2
Total rows: 1000 of 5462 Query complete 00:00:00.099 Ln 11, Col 37				

- Write a query to create a count of movies in each of the 4 filmlen_groups: 1 hour or less, Between 1-2 hours, Between 2-3 hours, More than 3 hours.

filmlen_groups	filmcount_bylenocat
1 hour or less	104
Between 1-2 hours	439
Between 2-3 hours	418
More than 3 hours	39

- Expected Result**

filmlen_groups text	filmcount_bylenocat bigint
1 hour or less	104
Between 1-2 hours	439
Between 2-3 hours	418
More than 3 hours	39