

Home assignment for the lesson “SQL: advanced commands”

For Submission

You need to submit this task for review.

Learning outcomes

You will be able to:

- ✔ apply what you have learned in Lesson 3.
- ✔ use multiple intermediate SQL commands in one query.
- ✔ find errors within a SQL code.
- ✔ write SQL commands to answer business case scenario/questions.

What you need to do

1 Provide the SQL code and the output for this query criterion.

a Provide the SQL syntax for the below output:

	title_description text
1	Chamber Italian-A Fateful Reflection of a Moose And a Husband who must Overcome a Monkey in Nigeria
2	Grosse Wonderful-A Epic Drama of a Cat And a Explorer who must Redeem a Moose in Australia
3	Airport Pollock-A Epic Tale of a Moose And a Girl who must Confront a Monkey in Ancient India
4	Bright Encounters-A Fateful Yarn of a Lumberjack And a Feminist who must Conquer a Student in A Jet Boat
5	Academy Dinosaur-A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies
6	Ace Goldfinger-A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China
7	Adaptation Holes-A Astounding Reflection of a Lumberjack And a Car who must Sink a Lumberjack in A Baloon Factory
8	Affair Prejudice-A Fanciful Documentary of a Frisbee And a Lumberjack who must Chase a Monkey in A Shark Tank
9	African Egg-A Fast-Paced Documentary of a Pastry Chef And a Dentist who must Pursue a Forensic Psychologist in The Gulf of Mexico
10	Agent Truman-A Intrepid Panorama of a Robot And a Boy who must Escape a Sumo Wrestler in Ancient China
11	Airplane Sierra-A Touching Saga of a Hunter And a Butler who must Discover a Butler in A Jet Boat
12	Alabama Devil-A Thoughtful Panorama of a Database Administrator And a Mad Scientist who must Outgun a Mad Scientist in A Jet Boat
13	Aladdin Calendar-A Action-Packed Tale of a Man And a Lumberjack who must Reach a Feminist in Ancient China
14	Alamo Videotape-A Boring Epistle of a Butler And a Cat who must Fight a Pastry Chef in A MySQL Convention
15	Alaska Phantom-A Fanciful Saga of a Hunter And a Pastry Chef who must Vanquish a Boy in Australia
16	Date Speed-A Touching Saga of a Composer And a Moose who must Discover a Dentist in A MySQL Convention
17	Ali Forever-A Action-Packed Drama of a Dentist And a Crocodile who must Battle a Feminist in The Canadian Rockies
18	Alice Fantasia-A Emotional Drama of a A Shark And a Database Administrator who must Vanquish a Pioneer in Soviet Georgia
19	Alien Center-A Brilliant Drama of a Cat And a Mad Scientist who must Battle a Feminist in A MySQL Convention
20	Alley Evolution-A Fast-Paced Drama of a Robot And a Composer who must Battle a Astronaut in New Orleans

2 Why would these SQL syntaxes fail?

a

```
SELECT title,rental_rate,
CASE
    WHEN rental_rate > 2 THEN 'Expensive'
    WHEN rental_rate = 2 THEN 'Average'
    WHEN rental_rate < 2 THEN 'Cheap'
FROM film
```

3 Answer the following business scenario questions.

a The store supervisor wants to check the performance of the two staff that they have by checking all the payments that the staff processed. The supervisor established a quota of 25000 for all the payments processed by the staff and would like to see a report showing the total payment amount processed by each staff and a column saying whether they met or did not meet the quota. The expected output is as below:

	staff_id smallint	sum numeric	quota_rating text
1	1	30252.12	Quota Met
2	2	31059.92	Quota Met

Provide the SQL syntax to be able to come up with the above output.

Completion Criteria

For the first assignment 1A, you need to provide the SQL syntax to be bale to come up with the provided expected output. For 2A, simply point out why the SQL syntax would fail and provide the right syntax. For 3A, provide the correct syntax based on the business situation and the given output.

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