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MIS 2502 assign# 2

SQL getting Data out of database

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Assignment: SQL #2 (Getting Data out of the Database)

For this assignment, you will be working with the same movie rental database as the in-class exercise (MovieDB).

1. What is the rental rate and replacement cost for the film “Roman Punk”?

   Select film. rental_rate, film.replacement_cost from moviedb.film Where film.Title='Roman Punk';
   (Rental Rate= .099, and Replacement cost= 28.99)

2. What are the special features for the film “Kane Exorcist”?

   SELECT FILM.special_features from moviedb.film where film.title='Kane Exorcist';
   (Special features Trailers, Commentaries)

3. What are the three most popular first names among the actors in the database?

   Select first_name, count(first_name) From moviedb.actor Group by first_name
   Order by count(first_name) DESC limit 3;
   'KENNETH','4'
   'JULIA','4'
   'PENELOPE','4'

4. Which movies are the most expensive to rent on average with regard to rating (i.e., G, PG, R, NC-17)? (HINT: List average prices for all ratings, with the highest average price at the top of the list)

   Select film.rating, avg(film.rental_rate) from moviedb.film group by film.rating;
   'G','2.888876'
   'PG','3.051856'
   'PG-13','3.034843'
5. How many PG-13 movies mention a ‘battle’ in their description?
(Hint: use WHERE…LIKE with a wildcard. Remember, %dog% will match any value containing “dog”)

```
select count(*) from moviedb.film where description like '%dog%' and film.rating='R';
(22)
```

6. Who were the stars of the movie “Roman Punk”? 

```
select actor.first_name, actor.last_name from moviedb.actor, moviedb.film, moviedb.film_actor
where actor.actor_id=film_actor.actor_id and film.film_id=film_actor.film_id and film.title='Roman Punk';
(JIM MOSTEL and WARREN NOLTE)
```

7. Who has starred in movies in the Mandarin language?
(Two hints: (1) Create the query to only return the first five, in alphabetical order by last name; (2) Be sure to reference the language name “Mandarin” in your query.)

```
Select DISTINCT actor.first_name, actor.last_name
from moviedb.Actor, moviedb.Film, moviedb.film_actor, moviedb.`language`
Where actor.actor_id=film_actor.actor_id And film.film_id=film_actor.film_id AND film.language_id=`language`.language_id and `language`.'name'='Mandarin'
order by actor.last_name ASC limit 5;
'CHRISTIAN','AKROYD' 'CUBA','ALLEN' 'DEBBIE','AKROYD' 'KIM','ALLEN' 'KIRSTEN','AKROYD'
```

8. Who has rented the fewest movies? How many movies did they rent?
(Hint: Get a list of all customers and the number of movies they rented, arranged in
ascending order and returning only the first row – assume there’s only one customer with the lowest value.)

```
Select count(*),customer.first_name,customer.last_name from moviedb.customer,moviedb.rental
where customer.customer_id=rental.customer_id group by customer.first_name, customer.last_name;
(Brian Wyman 12)
```

9. What is the longest G-rated movie in English? And how long is it?
   (Hint: Use a subselect statement with the MAX() function to return only the longest movie.)
   ```
   SELECT f.title, f.length FROM moviedb.film AS f, moviedb.language AS l WHERE f.language_id = l.language_id AND f.rating = 'G' AND l.name = 'English' AND f.length = (select max(length) from moviedb.film as f, moviedb.language as l where f.language_id = l.language_id and f.rating = 'G' and l.name = 'English');
   'CONTROL ANTHEM','185'
   'DARN FORRESTER','185'
   'MUSCLE BRIGHT','185'
   ```

10. What was the longest movie starring Debbie Akroyd? And how long is it?
   (Hint: Use a subselect statement with the MAX() function to return only the movie with the greatest length by Salma Nolte.)
   ```
   select film.length, film.title from moviedb.film, moviedb.film_actor, moviedb.actor
   where actor.actor_id=film_actor. actor_id and film.film_id=film_actor.film_id and actor.first_name='Debbie' and actor.Last_name='Akroyd';
   And film.length=(select max(film.length) from moviedb.film, moviedb.film_actor, moviedb.actor where actor.actor_id=film_actor. actor_id and film.film_id=film_actor.film_id and actor.first_name='Debbie' and actor.Last_name='Akroyd');
   Redemption Comforts 179