SQl Test
SMIT DE BATCH 01

1. Find the most popular movie category based on rentals.

Question: Write a query to find the movie category that has been rented the most times.

2. Find the customer who has rented the most films (by counting the rentals).

Question: Write a query to determine which customer has rented the most films based on the number of rentals they have made.

3. List all customers along with their rentals, including customers who have not rented any films.

Question: Write a query to list all customers and their rentals, ensuring that customers who have not rented any films are also included.

4. List all films that have been rented more than once by a single customer

Question: Write a query to find all films that have been rented more than once by the same customer. Include the film title and the number of times it was rented by each customer.

5. Find the total amount spent by each customer.

Question: Write a query to calculate the total amount spent by each customer. The query should list the customer's ID, first name, last name, and total amount spent.

6. Classify customers based on their total spending into three categories: "Low spender," "Medium spender," and "High spender."

Explanation:

- **CASE statement**: This checks the SUM(payment.amount) for each customer and categorizes them based on their total spending:
    - **'Low spender'**: For customers who spent less than 50.
    - **'Medium spender'**: For customers who spent between 50 and 200.
    - **'High spender'**: For customers who spent more than 200.

Question: Write a query to classify customers based on their total spending into three categories: "Low spender," "Medium spender," and "High spender."

7. Create a view top_customers_per_store that lists the top 3 customers by total payment amount for each store. Include store ID, customer ID, customer name, total payment amount, and rank.

Question: Write a query to create a view top_customers_per_store that ranks the top 3 customers by total payment for each store.

8. Find the customer who rented the most movies in a single month.

Question: Write a query to identify the customer who rented the most movies in a single month.

9. Write a stored procedure sp_films_never_rented that returns the list of films that were never rented, including film ID, title, and release year.

Question: Write a stored procedure named sp_films_never_rented that returns a list of films that have never been rented, showing the film ID, title, and release year.

10. Write a query to return the most recent rental per customer, showing customer name, rental date, and film title.

Question: Write a query to return the most recent rental per customer, including the customer's name, rental date, and film title.