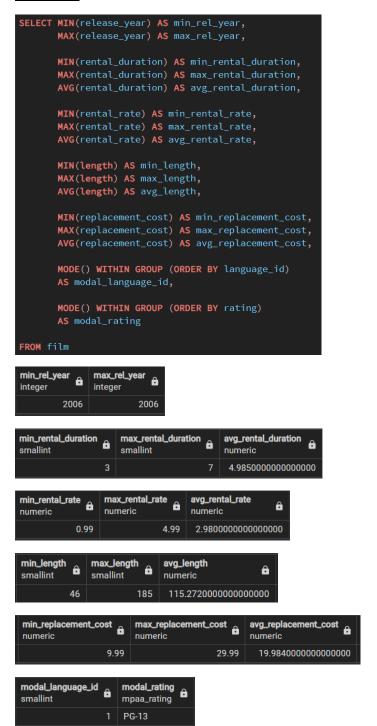**Question 2:**

Summarize your data: Use SQL to calculate descriptive statistics for both the film table and the customer table. For numerical columns, this means finding the minimum, maximum, and average values. For non-numerical columns, calculate the mode value.

Table: film

```sql
SELECT MIN(release_year) AS min_rel_year,
       MAX(release_year) AS max_rel_year,

       MIN(rental_duration) AS min_rental_duration,
       MAX(rental_duration) AS max_rental_duration,
       AVG(rental_duration) AS avg_rental_duration,

       MIN(rental_rate) AS min_rental_rate,
       MAX(rental_rate) AS max_rental_rate,
       AVG(rental_rate) AS avg_rental_rate,

       MIN(length) AS min_length,
       MAX(length) AS max_length,
       AVG(length) AS avg_length,

       MIN(replacement_cost) AS min_replacement_cost,
       MAX(replacement_cost) AS max_replacement_cost,
       AVG(replacement_cost) AS avg_replacement_cost,

       MODE() WITHIN GROUP (ORDER BY language_id)
       AS modal_language_id,

       MODE() WITHIN GROUP (ORDER BY rating)
       AS modal_rating

FROM film
```

min_rel_year integer	max_rel_year integer
2006	2006

min_rental_duration smallint	max_rental_duration smallint	avg_rental_duration numeric
3	7	4.9850000000000000

min_rental_rate numeric	max_rental_rate numeric	avg_rental_rate numeric
0.99	4.99	2.9800000000000000

min_length smallint	max_length smallint	avg_length numeric
46	185	115.2720000000000000

min_replacement_cost numeric	max_replacement_cost numeric	avg_replacement_cost numeric
9.99	29.99	19.9840000000000000

modal_language_id smallint	modal_rating mpaa_rating
1	PG-13

Table: customer

```sql
SELECT MIN(create_date) AS min_create_date,
       MAX(create_date) AS max_create_date,

       MODE() WITHIN GROUP (ORDER BY store_id)
       AS modal_store_id,

       MODE() WITHIN GROUP (ORDER BY activebool)
       AS modal_activebool,

       MODE() WITHIN GROUP (ORDER BY active)
       AS modal_active

FROM customer
```

min_create_date 🔒 date	max_create_date 🔒 date
2006-02-14	2006-02-14

modal_store_id 🔒 smallint	modal_activebool 🔒 boolean	modal_active 🔒 integer
1	true	1