Gabarito dos Exercícios – Aula 2

Curso de SQL para Análise de Dados

Exercício 1

```
SELECT
    CONCAT(c.first_name, ' ', c.last_name) AS full_name,
    COUNT(r.rental_id) AS total_rental
FROM
    customer AS c
LEFT JOIN rental AS r ON c.customer_id = r.customer_id
GROUP BY c.customer_id
ORDER BY total_rental DESC;
```

Exercício 2

```
SELECT
    f.title,
    f.length
FROM
    film AS f
ORDER BY f.length DESC
LIMIT 5;
```

Exercício 3

```
SELECT
    f.title,
    c.name AS category
FROM
    film_category AS fc
```

```
LEFT JOIN film AS f ON f.film_id = fc.film_id
LEFT JOIN category AS c ON c.category_id = fc.category_id;
```

Exercício 4

```
SELECT
    f.title
FROM
    inventory AS i
LEFT JOIN film AS f ON f.film_id = i.film_id
LEFT JOIN rental AS r ON i.inventory_id = r.inventory_id
WHERE r.rental_id IS NULL;
```

Exercício 5

```
SELECT
    c.name AS category,
    AVG(f.length) AS mean_length
FROM
    film_category AS fc
LEFT JOIN film AS f ON f.film_id = fc.film_id
LEFT JOIN category AS c ON c.category_id = fc.category_id
GROUP BY c.category_id
HAVING AVG(f.length) > 120;
```

Exercício 6

```
SELECT
    customer.first_name,
    customer.last_name,
    SUM(amount) Valor_Gasto
FROM
    customer
INNER JOIN payment ON
    customer.customer_id = payment.customer_id
GROUP BY customer.customer_id
ORDER BY Valor_Gasto DESC
```

```
LIMIT 1;
```

Exercício 7

```
SELECT
    customer.first_name,
    customer.last_name
FROM
    customer
WHERE
    customer.customer_id IN (
        SELECT payment.customer_id
        FROM payment
        GROUP BY payment.customer_id
    );
```

Exercício 8

```
SELECT
    film.title,
    COUNT(*) Numero_Alugueis
FROM
    film
INNER JOIN inventory ON film.film_id = inventory.film_id
INNER JOIN rental ON rental.inventory_id = inventory.inventory_id
GROUP BY film.film_id
ORDER BY Numero_Alugueis DESC
LIMIT 10;
```

Exercício 9

```
SELECT
    s.store_id,
    SUM(p.amount) AS Total_Vendas
FROM store s
JOIN staff st ON s.store_id = st.store_id
```

```
JOIN payment p ON st.staff_id = p.staff_id
GROUP BY s.store_id
    HAVING SUM(p.amount) > 30000
ORDER BY SUM(p.amount);
```

Exercício 10

```
SELECT
    C.first_name,
    C.last_name
FROM customer C
WHERE C.customer_id IN (
    SELECT customer_id
    FROM (
        SELECT P.customer_id
        FROM payment P
        GROUP BY P.customer_id
        ORDER BY SUM(P.amount) DESC
  OFFSET 1 LIMIT 1
    ) AS top_customers
);
```