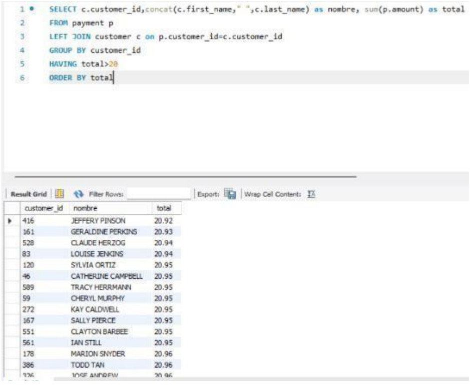
Actividad 19

- ## Lista los clientes que han generado pagos con un monto total mayor a $20

SELECT c.customer_id,concat(c.first_name," ",c.last_name) as nombre, sum(p.amount) as total
FROM payment p
LEFT JOIN customer c on p.customer_id=c.customer_id
GROUP BY customer_id
HAVING total>20
ORDER BY total

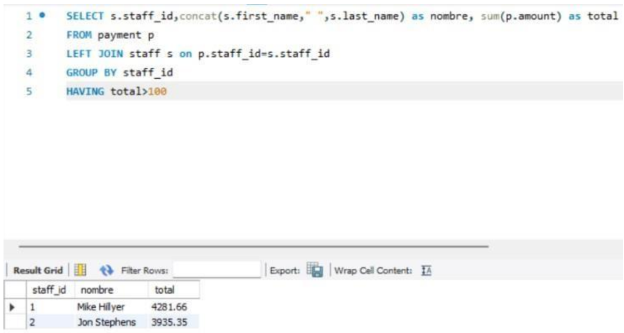


```
SELECT c.customer_id,concat(c.first_name," ",c.last_name) as nombre, sum(p.amount) as total
FROM payment p
LEFT JOIN customer c on p.customer_id=c.customer_id
GROUP BY customer_id
HAVING total>20
ORDER BY total
```

customer_id	nombre	total
416	JEFFERY PINSON	20.92
161	GERALDINE PERKINS	20.93
528	CLAUDE HERZOG	20.94
83	LOUISE JENKINS	20.94
120	SYLVIA ORTIZ	20.95
46	CATHERINE CAMPBELL	20.95
589	TRACY HERRMANN	20.95
59	CHERYL MURPHY	20.95
272	KAY CALDWELL	20.95
167	SALLY PIERCE	20.95
551	CLAYTON BARBEE	20.95
561	IAN STILL	20.95
178	MARION SNYDER	20.96
386	TODD TAN	20.96
326	JOSE ANDREW	20.96

- ## Liste los empleados que han generado pagos con un monto total mayor a $100

SELECT s.staff_id,concat(s.first_name," ",s.last_name) as nombre, sum(p.amount) as total
FROM payment p
LEFT JOIN staff s on p.staff_id=s.staff_id
GROUP BY staff_id
HAVING total>100

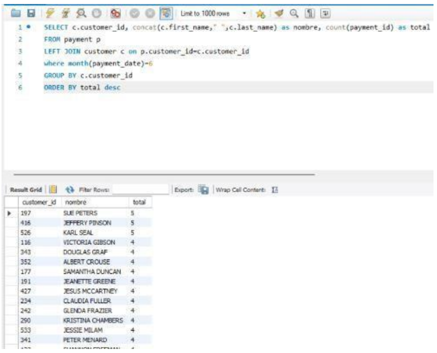


```
SELECT s.staff_id,concat(s.first_name," ",s.last_name) as nombre, sum(p.amount) as total
FROM payment p
LEFT JOIN staff s on p.staff_id=s.staff_id
GROUP BY staff_id
HAVING total>100
```

staff_id	nombre	total
1	Mike Hillyer	4281.66
2	Jon Stephens	3935.35

- Calcule el numero de pagos realizados por cada cliente en el mes de junio

```
SELECT c.customer_id, concat(c.first_name," ",c.last_name) as nombre,
count(payment_id) as total
FROM payment p
LEFT JOIN customer c on p.customer_id=c.customer_id
where month(payment_date)=6
GROUP BY c.customer_id
ORDER BY total desc
```

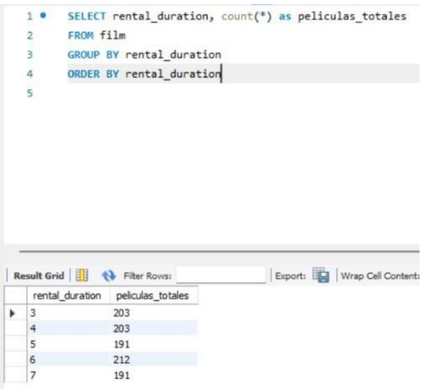


```
SELECT c.customer_id, concat(c.first_name," ",c.last_name) as nombre, count(payment_id) as total
FROM payment p
LEFT JOIN customer c on p.customer_id=c.customer_id
where month(payment_date)=6
GROUP BY c.customer_id
ORDER BY total desc
```

customer_id	nombre	total
197	SUE PETERS	5
416	JEFFERY PINSON	5
526	KARL SEAL	5
116	VICTORIA GIBSON	4
343	DOUGLAS GRAF	4
352	ALBERT CROUSE	4
177	SAMANTHA DUNCAN	4
191	JEANETTE GREENE	4
427	JESUS MCCARTNEY	4
234	CLAUDIA FULLER	4
242	GLENDA FRAZIER	4
290	KRISTINA CHAMBERS	4
533	JESSIE MILAM	4
341	PETER MENARD	4

- Calcule la cantidad de películas por cada duración de renta (rental_duration)

```
SELECT rental_duration, count(*) as peliculas_totales
FROM film
GROUP BY rental_duration
ORDER BY rental_duration
```



```
SELECT rental_duration, count(*) as peliculas_totales
FROM film
GROUP BY rental_duration
ORDER BY rental_duration
```

rental_duration	peliculas_totales
3	203
4	203
5	191
6	212
7	191

- Calcule la cantidad total de pagos recibidos cada año

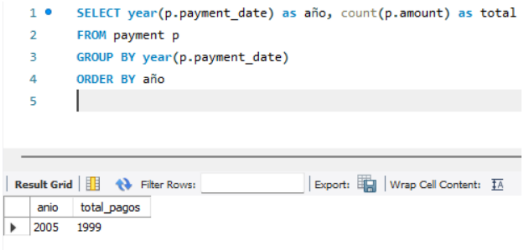
```
SELECT year(p.payment_date) as año,

count(p.amount) as total

FROM payment p

GROUP BY year(p.payment_date)

ORDER BY año
```

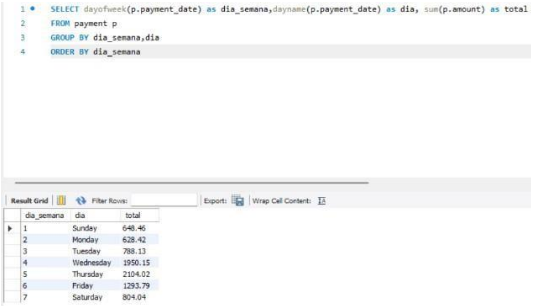


```
SELECT year(p.payment_date) as año, count(p.amount) as total
FROM payment p
GROUP BY year(p.payment_date)
ORDER BY año
```

anio	total_pagos
2005	1999

- Calcule el monto total de pagos por cada día de la semana

```
SELECT dayofweek(p.payment_date) as
dia_semana,dayname(p.payment_date) as dia, sum(p.amount) as total
FROM payment p
GROUP BY dia_semana,dia
ORDER BY dia_semana
```

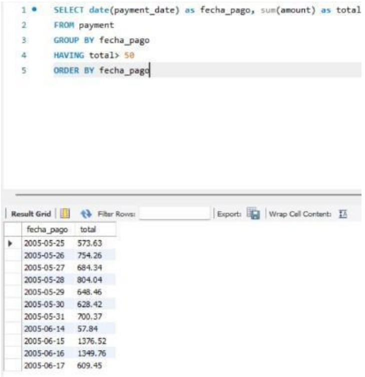


```
SELECT dayofweek(p.payment_date) as dia_semana,dayname(p.payment_date) as dia, sum(p.amount) as total
FROM payment p
GROUP BY dia_semana,dia
ORDER BY dia_semana
```

dia_semana	dia	total
1	Sunday	648.46
2	Monday	628.42
3	Tuesday	788.13
4	Wednesday	1950.15
5	Thursday	2104.02
6	Friday	1293.79
7	Saturday	804.04

- Liste los días donde el total de pagos fue mayor a $50

```
SELECT date(payment_date) as fecha_pago, sum(amount) as total
FROM payment
GROUP BY fecha_pago
HAVING total> 50
ORDER BY fecha_pago
```

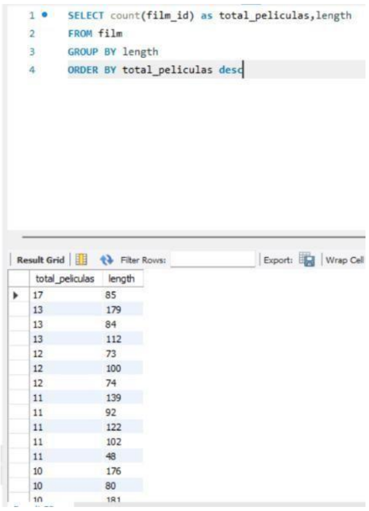


```
SELECT date(payment_date) as fecha_pago, sum(amount) as total
FROM payment
GROUP BY fecha_pago
HAVING total> 50
ORDER BY fecha_pago
```

```
fecha_pago  total
2005-05-25  573.63
2005-05-26  754.26
2005-05-27  684.34
2005-05-28  804.04
2005-05-29  648.46
2005-05-30  628.42
2005-05-31  700.37
2005-06-14  57.84
2005-06-15  1376.52
2005-06-16  1349.76
2005-06-17  609.45
```

- Calcule cuantas películas hay en cada duración(lenght) especifica

```
SELECT count(film_id) as total_peliculas,length
FROM film
GROUP BY length
ORDER BY total_peliculas desc
```

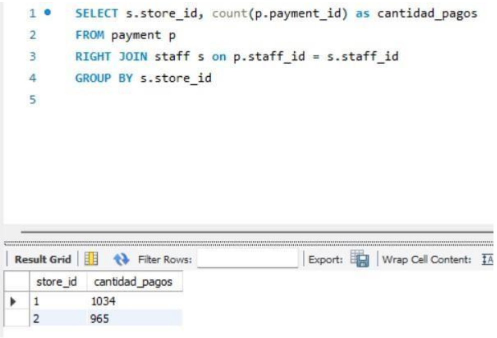


```
SELECT count(film_id) as total_peliculas,length
FROM film
GROUP BY length
ORDER BY total_peliculas desc
```

```
total_peliculas  length
17               85
13               179
13               84
13               112
12               73
12               100
12               74
11               139
11               92
11               122
11               102
11               48
10               176
10               80
10               181
```

- Calcule la cantidad de pagos realizados en cada tienda

```
SELECT s.store_id, count(p.payment_id) as cantidad_pagos
FROM payment p
RIGHT JOIN staff s on p.staff_id = s.staff_id
GROUP BY s.store_id
```

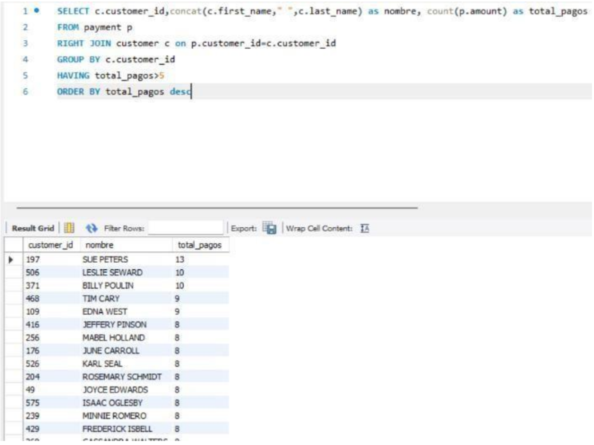


```
SELECT s.store_id, count(p.payment_id) as cantidad_pagos
FROM payment p
RIGHT JOIN staff s on p.staff_id = s.staff_id
GROUP BY s.store_id
```

store_id	cantidad_pagos
1	1034
2	965

- Calcule el monto total de pagos por cada cliente, pero solo para aquellos que han realizado mas de 5 pagos

```
SELECT c.customer_id,concat(c.first_name," ",c.last_name) as nombre,
count(p.amount) as total_pagos
FROM payment p
RIGHT JOIN customer c on p.customer_id=c.customer_id
GROUP BY c.customer_id
HAVING total_pagos>5
ORDER BY total_pagos desc
```

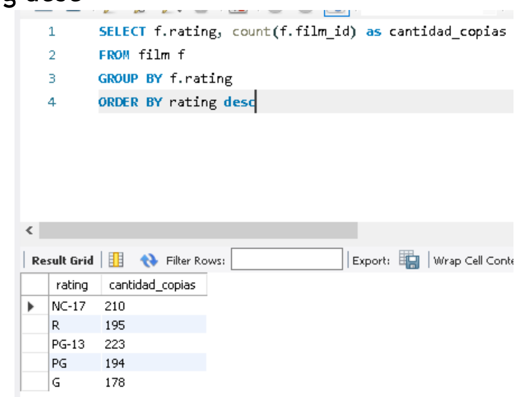


```
SELECT c.customer_id,concat(c.first_name," ",c.last_name) as nombre, count(p.amount) as total_pagos
FROM payment p
RIGHT JOIN customer c on p.customer_id=c.customer_id
GROUP BY c.customer_id
HAVING total_pagos>5
ORDER BY total_pagos desc
```

customer_id	nombre	total_pagos
197	SUE PETERS	13
506	LESLIE SEWARD	10
371	BILLY POULIN	10
468	TIM CARY	9
109	EDNA WEST	9
416	JEFFERY PINSON	8
256	MABEL HOLLAND	8
176	JUNE CARROLL	8
526	KARL SEAL	8
204	ROSEMARY SCHMIDT	8
49	JOYCE EDWARDS	8
575	ISAAC OGLESBY	8
239	MINNIE ROMERO	8
429	FREDERICK ISBELL	8

- <span style="color:red"></span>Calcule el número de películas (puede haber más de 1 película por cada título) según su clasificación (rating)

SELECT f.rating, count(f.film_id) as cantidad_copias
FROM film f
GROUP BY f.rating
ORDER BY rating desc

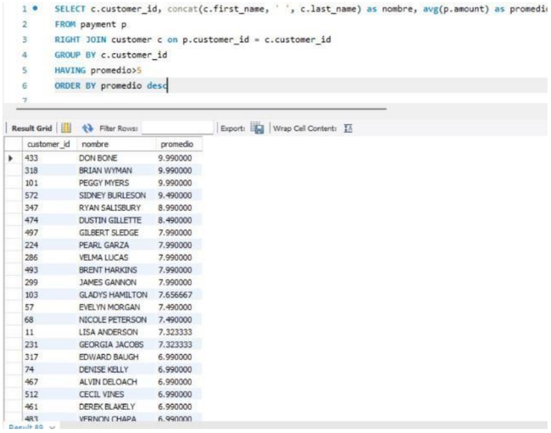


```
SELECT f.rating, count(f.film_id) as cantidad_copias
FROM film f
GROUP BY f.rating
ORDER BY rating desc
```

rating	cantidad_copias
NC-17	210
R	195
PG-13	223
PG	194
G	178

- Liste los clientes que han realizado pagos con un monto promedio mayor a $5

SELECT c.customer_id, concat(c.first_name, ' ', c.last_name) as nombre, avg(p.amount) as promedio
FROM payment p
RIGHT JOIN customer c on p.customer_id = c.customer_id
GROUP BY c.customer_id
HAVING promedio>5
ORDER BY promedio desc

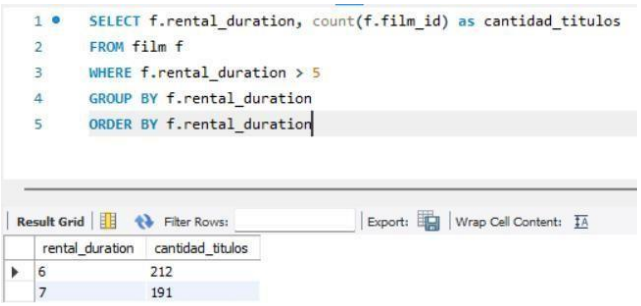


```
SELECT c.customer_id, concat(c.first_name, ' ', c.last_name) as nombre, avg(p.amount) as promedi
FROM payment p
RIGHT JOIN customer c on p.customer_id = c.customer_id
GROUP BY c.customer_id
HAVING promedio>5
ORDER BY promedio desc
```

customer_id	nombre	promedio
433	DON BONE	9.990000
318	BRIAN WYMAN	9.990000
101	PEGGY MYERS	9.990000
572	SIDNEY BURLESON	9.490000
347	RYAN SALISBURY	8.990000
474	DUSTIN GILLETTE	8.490000
497	GILBERT SLEDGE	7.990000
224	PEARL GARZA	7.990000
286	VELMA LUCAS	7.990000
493	BRENT HARKINS	7.990000
299	JAMES GANNON	7.990000
103	GLADYS HAMILTON	7.656667
57	EVELYN MORGAN	7.490000
68	NICOLE PETERSON	7.490000
11	LISA ANDERSON	7.323333
231	GEORGIA JACOBS	7.323333
317	EDWARD BAUGH	6.990000
74	DENISE KELLY	6.990000
467	ALVIN DELOACH	6.990000
512	CECIL VINES	6.990000
461	DEREK BLAKELY	6.990000
483	VERNON CHAPA	6.990000

- Calcule la cantidad de títulos de películas en cada duración de renta (rental_duration) mayor a 5 dias

SELECT f.rental_duration, count(f.film_id) as cantidad_titulos
FROM film f
WHERE f.rental_duration > 5
GROUP BY f.rental_duration
ORDER BY f.rental_duration

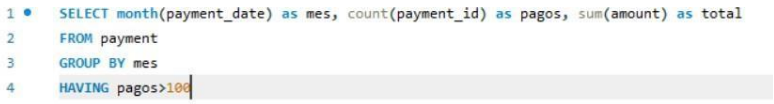


```
SELECT f.rental_duration, count(f.film_id) as cantidad_titulos
FROM film f
WHERE f.rental_duration > 5
GROUP BY f.rental_duration
ORDER BY f.rental_duration
```

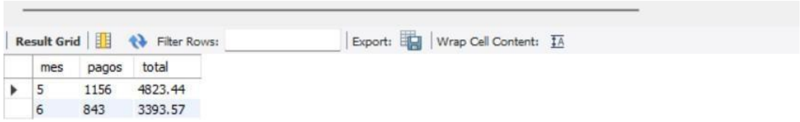
rental_duration	cantidad_titulos
6	212
7	191

- Liste el total de pagos recibidos por cada mes, pero solo los meses con más de 100 pagos

SELECT month(payment_date) as mes, count(payment_id) as pagos, sum(amount) as total
FROM payment
GROUP BY mes
HAVING pagos>100



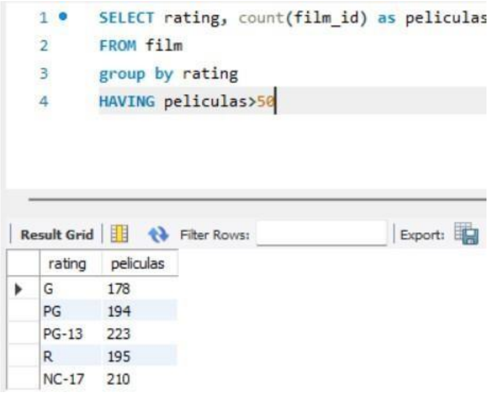
```
SELECT month(payment_date) as mes, count(payment_id) as pagos, sum(amount) as total
FROM payment
GROUP BY mes
HAVING pagos>100
```



mes	pagos	total
5	1156	4823.44
6	843	3393.57

- Liste las clasificaciones de películas(rating) que tienen mas de 50 peliculas registradas

```
SELECT rating, count(film_id) as peliculas
FROM film
group by rating
HAVING peliculas>50
```



```
SELECT rating, count(film_id) as peliculas
FROM film
group by rating
HAVING peliculas>50
```

rating	peliculas
G	178
PG	194
PG-13	223
R	195
NC-17	210