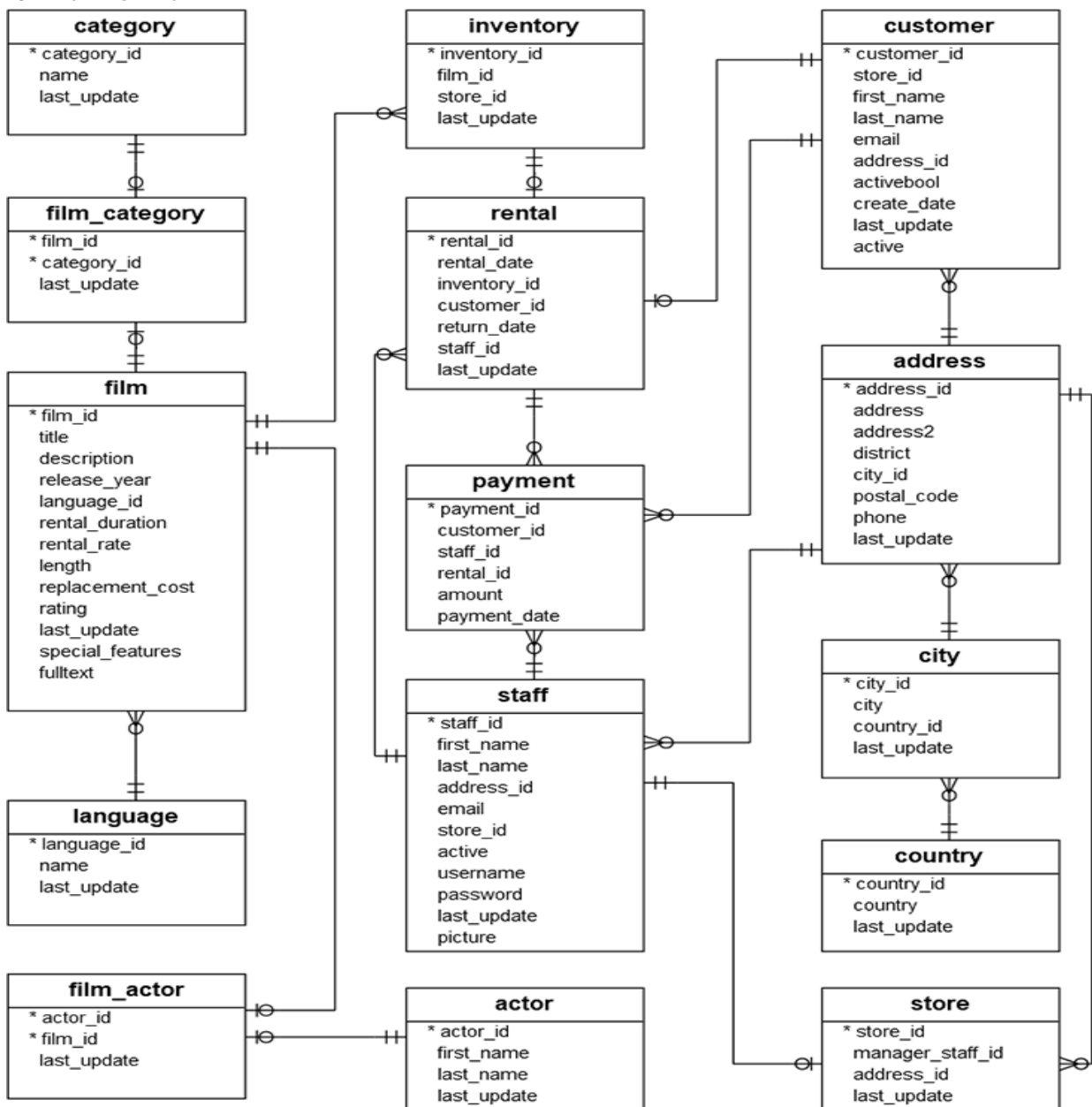


CONSOLIDACION MODULO 5 ARRIENDO DE DVDS

INSTRUCCIONES

Lee con atención cada uno de los requerimientos que se presentan a continuación, y desarrolla la prueba de acuerdo con lo solicitado.

1. Descarga el [archivo](#) adjunto, y descomprímelo para obtener el archivo “dvdrental.tar”.
2. La base de datos “dvdrental” contiene 15 tablas bajo el siguiente modelo relacional.
3. Si tienes problemas cargando el archivo .tar en postgresql, puedes seguir los pasos que aparecen en su página: postgresqtutorial.com.



4. Construye las siguientes consultas:

- ## DESARROLLO

- ## INSERTAR CUSTOMER

```
1 insert into customer (store_id,first_name,last_name,email,address_id,activebool,create_date,last_update,active)
2 values (1,'Juana','Perez','jperez@gmail.com',606,true,'2023-06-01','2023-06-01 12:36:57.62')
```

Data Output											Messages	Notifications								
<div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div></div>											customer_id	store_id	first_name	last_name	email	address_id	active	create_date	last_update	active
	[PK] integer	smallint	character varying (45)	character varying (45)	character varying (50)	smallint	boolean	date	timestamp without time zone	integer										
583	583	1	Marshall	Thorn	marshall.thorn@sakilacustomer.org	589	true	2006-02-14	2013-05-26 14:49:45.738	1										
584	584	2	Salvador	Teel	salvador.teel@sakilacustomer.org	590	true	2006-02-14	2013-05-26 14:49:45.738	1										
585	585	1	Perry	Swafford	perry.swafford@sakilacustomer.org	591	true	2006-02-14	2013-05-26 14:49:45.738	1										
586	586	1	Kirk	Stclair	kirk.stclair@sakilacustomer.org	592	true	2006-02-14	2013-05-26 14:49:45.738	1										
587	587	1	Sergio	Stanfield	sergio.stanfield@sakilacustomer.org	593	true	2006-02-14	2013-05-26 14:49:45.738	1										
588	588	1	Marion	Ocampo	marion.ocampo@sakilacustomer.org	594	true	2006-02-14	2013-05-26 14:49:45.738	1										
589	589	1	Tracy	Herrmann	tracy.herrmann@sakilacustomer.org	595	true	2006-02-14	2013-05-26 14:49:45.738	1										
590	590	2	Seth	Hannon	seth.hannon@sakilacustomer.org	596	true	2006-02-14	2013-05-26 14:49:45.738	1										
591	591	1	Kent	Arsenault	kent.arsenault@sakilacustomer.org	597	true	2006-02-14	2013-05-26 14:49:45.738	1										
592	592	1	Terrance	Roush	terrance.roush@sakilacustomer.org	598	true	2006-02-14	2013-05-26 14:49:45.738	0										
593	593	2	Rene	Mcalister	rene.mcalister@sakilacustomer.org	599	true	2006-02-14	2013-05-26 14:49:45.738	1										
594	594	1	Eduardo	Hiatt	eduardo.hiatt@sakilacustomer.org	600	true	2006-02-14	2013-05-26 14:49:45.738	1										
595	595	1	Terrence	Gunderson	terrence.gunderson@sakilacustomer.org	601	true	2006-02-14	2013-05-26 14:49:45.738	1										
596	596	1	Enrique	Forsythe	enrique.forsythe@sakilacustomer.org	602	true	2006-02-14	2013-05-26 14:49:45.738	1										
597	597	1	Freddie	Duggan	freddie.duggan@sakilacustomer.org	603	true	2006-02-14	2013-05-26 14:49:45.738	1										
598	598	1	Wade	Delvalle	wade.delvalle@sakilacustomer.org	604	true	2006-02-14	2013-05-26 14:49:45.738	1										
599	599	2	Austin	Cintron	austin.cintron@sakilacustomer.org	605	true	2006-02-14	2013-05-26 14:49:45.738	1										
600	601	1	Juana	Perez	jperez@gmail.com	9	true	2023-06-01	2023-06-01 12:36:57.62	1										
Total rows: 600 of 600		Query complete 00:00:00.806																		

MODIFICAR CUSTOMER

Query Query History

```
1 update customer
2 set last_name = 'Gonzalez',email='jgonzalez@gmail.com'
3 where customer_id = 601
4 |
```

Data Output Messages Notifications										
	customer_id [PK] integer	store_id smallint	first_name character varying (45)	last_name character varying (45)	email character varying (50)	address_id smallint	activebool boolean	create_date date	last_update timestamp without time zone	active integer
583	583	1	Marshall	Thorn	marshall.thorn@sakilacustomer.org	589	true	2006-02-14	2013-05-26 14:49:45.738	1
584	584	2	Salvador	Teel	salvador.teel@sakilacustomer.org	590	true	2006-02-14	2013-05-26 14:49:45.738	1
585	585	1	Perry	Swafford	perry.swafford@sakilacustomer.org	591	true	2006-02-14	2013-05-26 14:49:45.738	1
586	586	1	Kirk	Stclair	kirk.stclair@sakilacustomer.org	592	true	2006-02-14	2013-05-26 14:49:45.738	1
587	587	1	Sergio	Stanfield	sergio.stanfield@sakilacustomer.org	593	true	2006-02-14	2013-05-26 14:49:45.738	1
588	588	1	Marion	Ocampo	marion.ocampo@sakilacustomer.org	594	true	2006-02-14	2013-05-26 14:49:45.738	1
589	589	1	Tracy	Herrmann	tracy.herrmann@sakilacustomer.org	595	true	2006-02-14	2013-05-26 14:49:45.738	1
590	590	2	Seth	Hannon	seth.hannon@sakilacustomer.org	596	true	2006-02-14	2013-05-26 14:49:45.738	1
591	591	1	Kent	Arsenault	kent.arsenault@sakilacustomer.org	597	true	2006-02-14	2013-05-26 14:49:45.738	1
592	592	1	Terrance	Roush	terrance.roush@sakilacustomer.org	598	true	2006-02-14	2013-05-26 14:49:45.738	0
593	593	2	Rene	Mcalister	rene.mcalister@sakilacustomer.org	599	true	2006-02-14	2013-05-26 14:49:45.738	1
594	594	1	Eduardo	Hiatt	eduardo.hiatt@sakilacustomer.org	600	true	2006-02-14	2013-05-26 14:49:45.738	1
595	595	1	Terrence	Gunderson	terrence.gunderson@sakilacustomer.org	601	true	2006-02-14	2013-05-26 14:49:45.738	1
596	596	1	Enrique	Forsythe	enrique.forsythe@sakilacustomer.org	602	true	2006-02-14	2013-05-26 14:49:45.738	1
597	597	1	Freddie	Duggan	freddie.duggan@sakilacustomer.org	603	true	2006-02-14	2013-05-26 14:49:45.738	1
598	598	1	Wade	Delvalle	wade.delvalle@sakilacustomer.org	604	true	2006-02-14	2013-05-26 14:49:45.738	1
599	599	2	Austin	Cintron	austin.cintron@sakilacustomer.org	605	true	2006-02-14	2013-05-26 14:49:45.738	1
600	601	1	Juana	Gonzalez	jgonzalez@gmail.com	9	true	2023-06-01	2023-06-01 17:49:39.760004	1

ELIMINAR CUSTOMER

Query Query History

```
1 delete from customer
2 where customer_id =601
3
```

Data Output Messages Notifications										
	customer_id [PK] integer	store_id smallint	first_name character varying (45)	last_name character varying (45)	email character varying (50)	address_id smallint	activebool boolean	create_date date	last_update timestamp without time zone	active integer
578	578	2	Willard	Lumpkin	willard.lumpkin@sakilacustomer.org	584	true	2006-02-14	2013-05-26 14:49:45.738	1
579	579	2	Daryl	Larue	daryl.larue@sakilacustomer.org	585	true	2006-02-14	2013-05-26 14:49:45.738	1
580	580	1	Ross	Grey	ross.grey@sakilacustomer.org	586	true	2006-02-14	2013-05-26 14:49:45.738	1
581	581	1	Virgil	Wofford	virgil.wofford@sakilacustomer.org	587	true	2006-02-14	2013-05-26 14:49:45.738	1
582	582	2	Andy	Vanhorn	andy.vanhorn@sakilacustomer.org	588	true	2006-02-14	2013-05-26 14:49:45.738	1
583	583	1	Marshall	Thorn	marshall.thorn@sakilacustomer.org	589	true	2006-02-14	2013-05-26 14:49:45.738	1
584	584	2	Salvador	Teel	salvador.teel@sakilacustomer.org	590	true	2006-02-14	2013-05-26 14:49:45.738	1
585	585	1	Perry	Swafford	perry.swafford@sakilacustomer.org	591	true	2006-02-14	2013-05-26 14:49:45.738	1
586	586	1	Kirk	Stclair	kirk.stclair@sakilacustomer.org	592	true	2006-02-14	2013-05-26 14:49:45.738	1
587	587	1	Sergio	Stanfield	sergio.stanfield@sakilacustomer.org	593	true	2006-02-14	2013-05-26 14:49:45.738	1
588	588	1	Marion	Ocampo	marion.ocampo@sakilacustomer.org	594	true	2006-02-14	2013-05-26 14:49:45.738	1
589	589	1	Tracy	Herrmann	tracy.herrmann@sakilacustomer.org	595	true	2006-02-14	2013-05-26 14:49:45.738	1
590	590	2	Seth	Hannon	seth.hannon@sakilacustomer.org	596	true	2006-02-14	2013-05-26 14:49:45.738	1
591	591	1	Kent	Arsenault	kent.arsenault@sakilacustomer.org	597	true	2006-02-14	2013-05-26 14:49:45.738	1
592	592	1	Terrance	Roush	terrance.roush@sakilacustomer.org	598	true	2006-02-14	2013-05-26 14:49:45.738	0
593	593	2	Rene	Mcalister	rene.mcalister@sakilacustomer.org	599	true	2006-02-14	2013-05-26 14:49:45.738	1
594	594	1	Eduardo	Hiatt	eduardo.hiatt@sakilacustomer.org	600	true	2006-02-14	2013-05-26 14:49:45.738	1
595	595	1	Terrence	Gunderson	terrence.gunderson@sakilacustomer.org	601	true	2006-02-14	2013-05-26 14:49:45.738	1
596	596	1	Enrique	Forsythe	enrique.forsythe@sakilacustomer.org	602	true	2006-02-14	2013-05-26 14:49:45.738	1
597	597	1	Freddie	Duggan	freddie.duggan@sakilacustomer.org	603	true	2006-02-14	2013-05-26 14:49:45.738	1
598	598	1	Wade	Delvalle	wade.delvalle@sakilacustomer.org	604	true	2006-02-14	2013-05-26 14:49:45.738	1
599	599	2	Austin	Cintron	austin.cintron@sakilacustomer.org	605	true	2006-02-14	2013-05-26 14:49:45.738	1

Total rows: 599 of 599 Query complete 00:00:01.855

INSERTAR STAFF

Query Query History

```
1 insert into staff (first_name,last_name,address_id,email,store_id,active,username,password,last_update,picture)
2 values ('Camila','Perez',5,'cperez@gmail.com',1,true,'Cami','123456789123456789123456','2023-06-01 12:36:57.79328',null)
3 |
```

Data Output Messages Notifications

	staff_id [PK] integer	first_name character varying (45)	last_name character varying (45)	address_id smallint	email character varying (50)	store_id smallint	active boolean	username character varying (16)	password character varying (40)	last_update timestamp without time zone	picture bytea
1	1	Mike	Hillyer	3	Mike.Hillyer@sakilastaff.com	1	true	Mike	8cb2237d0679ca88db6464eac60da96345513964	2006-05-16 16:13:11.79328	[binary dat...
2	2	Jon	Stephens	4	Jon.Stephens@sakilastaff.com	2	true	Jon	8cb2237d0679ca88db6464eac60da96345513964	2006-05-16 16:13:11.79328	[null]
3	3	Camila	Perez	5	cperez@gmail.com	1	true	Cami	123456789123456789123456	2023-06-01 12:36:57.79328	[null]

MODIFICAR STAFF

Query Query History

```
1 update staff
2 set email='camila.perez@hotmail.com'
3 where staff_id = 3
4 |
```

Data Output Messages Notifications

	staff_id [PK] integer	first_name character varying (45)	last_name character varying (45)	address_id smallint	email character varying (50)	store_id smallint	active boolean	username character varying (16)	password character varying (40)	last_update timestamp without time zone	picture bytea
1	1	Mike	Hillyer	3	Mike.Hillyer@sakilastaff.com	1	true	Mike	8cb2237d0679ca88db6464eac60da96345513964	2006-05-16 16:13:11.79328	[binary dat...
2	2	Jon	Stephens	4	Jon.Stephens@sakilastaff.com	2	true	Jon	8cb2237d0679ca88db6464eac60da96345513964	2006-05-16 16:13:11.79328	[null]
3	3	Camila	Perez	5	camila.perez@hotmail.com	1	true	Cami	123456789123456789123456	2023-06-01 17:48:01.76168	[null]

ELIMINAR STAFF

Query Query History

```
1 delete from staff
2 where staff_id =3
3 |
4
```

Data Output Messages Notifications

	staff_id [PK] integer	first_name character varying (45)	last_name character varying (45)	address_id smallint	email character varying (50)	store_id smallint	active boolean	username character varying (16)	password character varying (40)	last_update timestamp without time zone	picture bytea
1	1	Mike	Hillyer	3	Mike.Hillyer@sakilastaff.com	1	true	Mike	8cb2237d0679ca88db6464eac60da96345513964	2006-05-16 16:13:11.79328	[binary dat...
2	2	Jon	Stephens	4	Jon.Stephens@sakilastaff.com	2	true	Jon	8cb2237d0679ca88db6464eac60da96345513964	2006-05-16 16:13:11.79328	[null]

INSERTAR ACTOR

Query Query History

```
1 insert into actor (first_name,last_name,last_update)
2 values ('Pedro','Perez','2023-05-26 11:55:57.62')
3 |
```

Data Output Messages Notifications

	actor_id [PK] integer	first_name character varying (45)	last_name character varying (45)	last_update timestamp without time zone
184	184	Humphrey	Garland	2013-05-26 14:47:57.62
185	185	Michael	Bolger	2013-05-26 14:47:57.62
186	186	Julia	Zellweger	2013-05-26 14:47:57.62
187	187	Renee	Ball	2013-05-26 14:47:57.62
188	188	Rock	Dukakis	2013-05-26 14:47:57.62
189	189	Cuba	Birch	2013-05-26 14:47:57.62
190	190	Audrey	Bailey	2013-05-26 14:47:57.62
191	191	Gregory	Gooding	2013-05-26 14:47:57.62
192	192	John	Suvari	2013-05-26 14:47:57.62
193	193	Burt	Temple	2013-05-26 14:47:57.62
194	194	Meryl	Allen	2013-05-26 14:47:57.62
195	195	Jayne	Silverstone	2013-05-26 14:47:57.62
196	196	Bela	Walken	2013-05-26 14:47:57.62
197	197	Reese	West	2013-05-26 14:47:57.62
198	198	Mary	Keitel	2013-05-26 14:47:57.62
199	199	Julia	Fawcett	2013-05-26 14:47:57.62
200	200	Thora	Temple	2013-05-26 14:47:57.62
201	201	Pedro	Perez	2023-05-26 11:55:57.62

Total rows: 201 of 201

Query complete 00:00:00.516

MODIFICAR ACTOR

Query Query History

```
1 update actor
2 set first_name = 'James'
3 where actor_id = 201
4 |
```

Data Output Messages Notifications

	actor_id [PK] integer	first_name character varying (45)	last_name character varying (45)	last_update timestamp without time zone
184	184	Humphrey	Garland	2013-05-26 14:47:57.62
185	185	Michael	Bolger	2013-05-26 14:47:57.62
186	186	Julia	Zellweger	2013-05-26 14:47:57.62
187	187	Renee	Ball	2013-05-26 14:47:57.62
188	188	Rock	Dukakis	2013-05-26 14:47:57.62
189	189	Cuba	Birch	2013-05-26 14:47:57.62
190	190	Audrey	Bailey	2013-05-26 14:47:57.62
191	191	Gregory	Gooding	2013-05-26 14:47:57.62
192	192	John	Suvari	2013-05-26 14:47:57.62
193	193	Burt	Temple	2013-05-26 14:47:57.62
194	194	Meryl	Allen	2013-05-26 14:47:57.62
195	195	Jayne	Silverstone	2013-05-26 14:47:57.62
196	196	Bela	Walken	2013-05-26 14:47:57.62
197	197	Reese	West	2013-05-26 14:47:57.62
198	198	Mary	Keitel	2013-05-26 14:47:57.62
199	199	Julia	Fawcett	2013-05-26 14:47:57.62
200	200	Thora	Temple	2013-05-26 14:47:57.62
201	201	James	Perez	2023-06-01 17:51:34.773211
Total rows: 201 of 201		Query complete 00:00:00.956		

ELIMINAR ACTOR

QueryQuery History

```
1 delete from actor
2 where actor_id =201
3 |
```

Data OutputMessagesNotifications				
<div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div></div></div></div>				
	actor_id [PK] integer	first_name character varying (45)	last_name character varying (45)	last_update timestamp without time zone
183	183	Russell	Close	2013-05-26 14:47:57.62
184	184	Humphrey	Garland	2013-05-26 14:47:57.62
185	185	Michael	Bolger	2013-05-26 14:47:57.62
186	186	Julia	Zellweger	2013-05-26 14:47:57.62
187	187	Renee	Ball	2013-05-26 14:47:57.62
188	188	Rock	Dukakis	2013-05-26 14:47:57.62
189	189	Cuba	Birch	2013-05-26 14:47:57.62
190	190	Audrey	Bailey	2013-05-26 14:47:57.62
191	191	Gregory	Gooding	2013-05-26 14:47:57.62
192	192	John	Suvari	2013-05-26 14:47:57.62
193	193	Burt	Temple	2013-05-26 14:47:57.62
194	194	Meryl	Allen	2013-05-26 14:47:57.62
195	195	Jayne	Silverstone	2013-05-26 14:47:57.62
196	196	Bela	Walken	2013-05-26 14:47:57.62
197	197	Reese	West	2013-05-26 14:47:57.62
198	198	Mary	Keitel	2013-05-26 14:47:57.62
199	199	Julia	Fawcett	2013-05-26 14:47:57.62
200	200	Thora	Temple	2013-05-26 14:47:57.62
Total rows: 200 of 200Query complete 00:00:01.172				

- Listar todas las “rental” con los datos del “customer” dado un año y mes.

```

1 select rental_id,rental_date,customer.customer_id, concat(first_name, ' ',last_name) as customer_name,
2 email,address_id,activebool,create_date, customer.last_update as customer_last_update, active
3 from rental
4 inner join customer
5 on rental.customer_id = customer.customer_id
6 where DATE_PART('YEAR', rental_date) = 2005 AND
7 DATE_PART('MONTH', rental_date) = 07
8 order by rental_date

```

	rental_id integer	rental_date timestamp without time zone	customer_id integer	customer_name text	email character varying (50)	address_id smallint	activebool boolean	create_date date	customer_last_update timestamp without time zone
1	3470	2005-07-05 22:49:24	565	Jaime Nettles	jaime.nettles@sakilacustomer.org	571	true	2006-02-14	2013-05-26 14:49:45.738
2	3471	2005-07-05 22:51:44	242	Glenda Frazier	glenda.frazier@sakilacustomer.org	246	true	2006-02-14	2013-05-26 14:49:45.738
3	3472	2005-07-05 22:56:33	37	Pamela Baker	pamela.baker@sakilacustomer.org	41	true	2006-02-14	2013-05-26 14:49:45.738
4	3473	2005-07-05 22:57:34	60	Mildred Bailey	mildred.bailey@sakilacustomer.org	64	true	2006-02-14	2013-05-26 14:49:45.738
5	3474	2005-07-05 22:59:53	594	Eduardo Hiatt	eduardo.hiatt@sakilacustomer.org	600	true	2006-02-14	2013-05-26 14:49:45.738
6	3475	2005-07-05 23:01:21	8	Susan Wilson	susan.wilson@sakilacustomer.org	12	true	2006-02-14	2013-05-26 14:49:45.738
7	3476	2005-07-05 23:02:37	490	Sam Mcduffie	sam.mcduffie@sakilacustomer.org	495	true	2006-02-14	2013-05-26 14:49:45.738
8	3477	2005-07-05 23:05:17	476	Derrick Bourque	derrick.bourque@sakilacustomer.org	481	true	2006-02-14	2013-05-26 14:49:45.738
9	3478	2005-07-05 23:05:44	322	Jason Morrissey	jason.morrissey@sakilacustomer.org	327	true	2006-02-14	2013-05-26 14:49:45.738
10	3479	2005-07-05 23:08:53	298	Erika Pena	erika.pena@sakilacustomer.org	303	true	2006-02-14	2013-05-26 14:49:45.738
11	3480	2005-07-05 23:11:43	382	Victor Barkley	victor.barkley@sakilacustomer.org	387	true	2006-02-14	2013-05-26 14:49:45.738
12	3481	2005-07-05 23:13:07	138	Hazel Warren	hazel.warren@sakilacustomer.org	142	true	2006-02-14	2013-05-26 14:49:45.738
13	3482	2005-07-05 23:13:22	520	Mitchell Westmoreland	mitchell.westmoreland@sakilacustomer.org	526	true	2006-02-14	2013-05-26 14:49:45.738
14	3483	2005-07-05 23:13:51	536	Fernando Churchill	fernando.churchill@sakilacustomer.org	542	true	2006-02-14	2013-05-26 14:49:45.738
Total rows: 1000 of 6709 Query complete 00:00:00.540									

- Listar Número, Fecha (payment_date) y Total (amount) de todas las “payment”.

Query Query History

```

1 SELECT CAST(payment_date AS DATE) AS fecha, SUM(amount) as total_amount
2 FROM payment
3 GROUP BY CAST(payment_date AS DATE)
4 ORDER BY CAST(payment_date AS DATE)

```

	fecha date	total_amount numeric
1	2007-02-14	116.73
2	2007-02-15	1188.92
3	2007-02-16	1154.18
4	2007-02-17	1188.17
5	2007-02-18	1275.98
6	2007-02-19	1290.90
7	2007-02-20	1219.09
8	2007-02-21	917.87
9	2007-03-01	2808.24
10	2007-03-02	2550.05
11	2007-03-16	299.28
12	2007-03-17	2442.16
13	2007-03-18	2701.76
14	2007-03-19	2617.69
15	2007-03-20	2669.89
16	2007-03-21	2868.27
Total rows: 32 of 32 Query complete 00:00:00.113		

- Listar todas las *“film”* del año 2006 que contengan un (rental_rate) mayor a 4.0.

```

1 select film_id, title, release_year, rental_rate
2 from film
3 where release_year = 2006 and rental_rate > 4.0
4 group by film_id, title, release_year, rental_rate
5 order by rental_rate asc;

```

Data Output Messages Notifications

	film_id [PK] integer	title character varying (255)	release_year integer	rental_rate numeric (4,2)
1	384	Grosse Wonderful	2006	4.99
2	938	Velvet Terminator	2006	4.99
3	765	Saturn Name	2006	4.99
4	272	Edge Kissing	2006	4.99
5	781	Seven Swarm	2006	4.99
6	70	Bikini Borrowers	2006	4.99
7	887	Thief Pelican	2006	4.99
8	867	Super Wyoming	2006	4.99
9	190	Creepers Kane	2006	4.99
10	350	Garden Island	2006	4.99
11	858	Submarine Bed	2006	4.99
12	826	Speed Suit	2006	4.99
13	817	Soldiers Evolution	2006	4.99
14	386	Gump Date	2006	4.99
15	426	Home Pity	2006	4.99
16	278	Elf Murder	2006	4.99
Total rows: 336 of 336		Query complete 00:00:00.116		