Name: Natalia Russu

SQL SELECT, WHERE, DISTINCT practice

1. Write a select statement to return all columns and rows from the customer table.

Re: **select * from** customer;

	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
1	524	1	Jared	Ely	jared.ely@sakilacustomer.org	530	true
2	1	1	Mary	Smith	mary.smith@sakilacustomer.org	5	true
3	2	1	Patricia	Johnson	patricia.johnson@sakilacustomer.org	6	true
4	3	1	Linda	Williams	linda.williams@sakilacustomer.org	7	true
5	4	2	Barbara	Jones	barbara.jones@sakilacustomer.org	8	true
6	5	1	Elizabeth	Brown	elizabeth.brown@sakilacustomer.org	9	true
7	6	2	Jennifer	Davis	jennifer.davis@sakilacustomer.org	10	true
8	7	1	Maria	Miller	maria.miller@sakilacustomer.org	11	true
9	8	2	Susan	Wilson	susan.wilson@sakilacustomer.org	12	true

2. Write a query to select first name, last name, and email from the customer table.

RE: **select** last_name, first_name, email **from** customer;

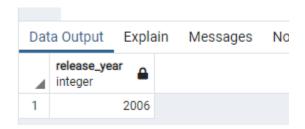|	first_name character varying (45)	last_name character varying (45)	email character varying (50)
1	Jared	Ely	jared.ely@sakilacustomer.org
2	Mary	Smith	mary.smith@sakilacustomer.org
3	Patricia	Johnson	patricia.johnson@sakilacustomer.org
4	Linda	Williams	linda.williams@sakilacustomer.org
5	Barbara	Jones	barbara.jones@sakilacustomer.org
6	Elizabeth	Brown	elizabeth.brown@sakilacustomer.org
7	Jennifer	Davis	jennifer.davis@sakilacustomer.org

3. Write a query to return all rows and columns from the film table.

RE: **select * from** film;

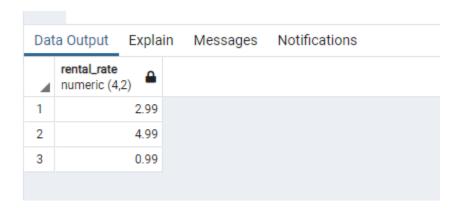|	first_name character varying (45)	last_name character varying (45)	email character varying (50)
1	Jared	Ely	jared.ely@sakilacustomer.org
2	Mary	Smith	mary.smith@sakilacustomer.org
3	Patricia	Johnson	patricia.johnson@sakilacustomer.org

4. Write a query to return unique rows from the release_year column in the film table.

Re: **select distinct** release_year **from** film;

Data Output   Explain   Messages   No

	release_year integer 🔒
1	2006

5. Write a query to return unique rows from the rental_rate column in the film table.

Re: **select distinct** rental_rate **from** film;

Data Output   Explain   Messages   Notifications

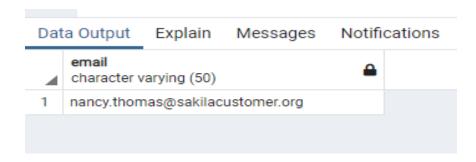|	rental_rate numeric (4,2) 🔒
1	2.99
2	4.99
3	0.99

6. A customer left us some feedback about our store. Write a query to find her email address – for Nancy Thomas.
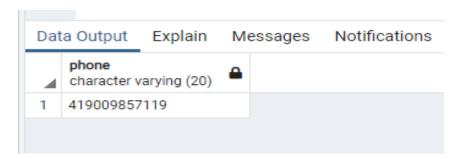
RE : SELECT email FROM customer

WHERE first_name='Nancy'

AND last_name='Thomas';

Data Output   Explain   Messages   Notifications

	email character varying (50) 🔒
1	nancy.thomas@sakilacustomer.org

7. We're trying to find a customer located at a certain address '259 Ipoh Drive' – can you find their phone number?

re: **select** phone **from** address **where** address='259 Ipoh Drive';

	phone character varying (20) 🔒
1	419009857119

8. Write a query from the customer table, where store id is 1 and address id is greater than 150.

re : SELECT * FROM customer WHERE store_id=1 AND address_id > 150;

	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_upd timestan
1	524	1	Jared	Ely	jared.ely@sakilacustomer.org	530	true	2006-02-14	2013-05-
2	148	1	Eleanor	Hunt	eleanor.hunt@sakilacustomer.org	152	true	2006-02-14	2013-05-
3	149	1	Valerie	Black	valerie.black@sakilacustomer.org	153	true	2006-02-14	2013-05-
4	152	1	Alicia	Mills	alicia.mills@sakilacustomer.org	156	true	2006-02-14	2013-05-
5	155	1	Gail	Knight	gail.knight@sakilacustomer.org	159	true	2006-02-14	2013-05-
6	156	1	Bertha	Ferguson	bertha.ferguson@sakilacustomer.org	160	true	2006-02-14	2013-05-
7	158	1	Veronica	Stone	veronica.stone@sakilacustomer.org	162	true	2006-02-14	2013-05-
8	159	1	Jill	Hawkins	jill.hawkins@sakilacustomer.org	163	true	2006-02-14	2013-05-
9	161	1	Geraldine	Perkins	geraldine.perkins@sakilacustomer.org	165	true	2006-02-14	2013-05-
10	163	1	Cathy	Spencer	cathy.spencer@sakilacustomer.org	167	true	2006-02-14	2013-05-
11	166	1	Lynn	Payne	lynn.payne@sakilacustomer.org	170	true	2006-02-14	2013-05-
12	168	1	Regina	Berry	regina.berry@sakilacustomer.org	172	true	2006-02-14	2013-05-

9. Write a query from the payment table where the amount is either 4.99 or 1.99.

re : SELECT * FROM payment WHERE amount=4.99 OR amount=1.99;

	payment_id [PK] integer	customer_id smallint	staff_id smallint	rental_id integer	amount numeric (5,2)	payment_date timestamp without time zone
1	17504	341	1	1778	1.99	2007-02-16 17:23:14.996577
2	17512	343	2	1547	4.99	2007-02-16 00:10:50.996577
3	17520	344	2	1475	4.99	2007-02-15 19:36:27.996577
4	17523	345	1	1457	4.99	2007-02-15 18:34:15.996577
5	17525	345	2	2766	4.99	2007-02-19 16:13:41.996577
6	17531	347	1	3026	4.99	2007-02-20 10:16:26.996577
7	17549	352	1	1649	4.99	2007-02-16 07:48:59.996577
8	17550	352	1	1678	4.99	2007-02-16 09:36:54.996577
9	17551	352	1	1780	4.99	2007-02-16 17:40:11.996577

10. Write a query to return a list of transitions from the payment table where the amount is greater than 5.

re: **SELECT** * **FROM** payment **WHERE** amount>5;

	payment_id [PK] integer	customer_id smallint	staff_id smallint	rental_id integer	amount numeric (5,2)	payment_date timestamp without time zone
1	17503	341	2	1520	7.99	2007-02-15 22:25:46.996577
2	17505	341	1	1849	7.99	2007-02-16 22:41:45.996577
3	17507	341	2	3130	7.99	2007-02-20 17:31:48.996577
4	17508	341	1	3382	5.99	2007-02-21 12:33:49.996577
5	17509	342	2	2190	5.99	2007-02-17 23:58:17.996577
6	17510	342	1	2914	5.99	2007-02-20 02:11:44.996577
7	17513	343	1	1564	6.99	2007-02-16 01:15:33.996577
8	17516	343	2	2461	6.99	2007-02-18 18:26:38.996577
9	17517	343	1	2980	8.99	2007-02-20 07:03:29.996577
10	17526	346	1	1994	5.99	2007-02-17 09:35:32.996577
11	17529	347	2	1711	8.99	2007-02-16 12:40:18.996577
12	17532	347	1	3092	8.99	2007-02-20 14:33:08.996577
13	17533	347	1	3326	7.99	2007-02-21 07:33:16.996577