

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

```
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@sakilacusto...	530	true
2	1	1	Mary	Smith	mary.smith@sakilacu...	5	true
3	2	1	Patricia	Johnson	patricia.johnson@sak...	6	true
4	3	1	Linda	Williams	linda.williams@sakila...	7	true
5	4	2	Barbara	Jones	barbara.jones@sakila...	8	true
6	5	1	Elizabeth	Brown	elizabeth.brown@saki...	9	true
7	6	2	Jennifer	Davis	jennifer.davis@sakila...	10	true

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

```
select first_name, last_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.

```
select *
from film;
```

	film_id [PK] integer	title character varying (255)	description text	release_year integer	language_id smallint	rental_duration smallint	rental_rate numeric (4,2)	length smallint
1	133	Chamber Italian	A Fateful R...	2006	1	7	4.99	117
2	384	Grosse Wonderful	A Epic Dra...	2006	1	5	4.99	49
3	8	Airport Pollock	A Epic Tale ...	2006	1	6	4.99	54
4	98	Bright Encounters	A Fateful Y...	2006	1	4	4.99	73
5	1	Academy Dinosaur	A Epic Dra...	2006	1	6	0.99	86
6	2	Ace Goldfinger	A Astoundi...	2006	1	3	4.99	48
7	3	Adaptation Holes	A Astoundi...	2006	1	7	2.99	50

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

```
select distinct release_year
```

```
from film;
```

	release_year integer
1	2006

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

```
select distinct rental_rate
```

```
from film;
```


	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.

select email

from customer

where first_name = 'Nancy' and last_name = 'Thomas';


	email character varying (50) 
1	nancy.thomas@sakila...

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

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.

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
1	524	1	Jared	Ely	jared.ely@sakilacusto...	530	true
2	148	1	Eleanor	Hunt	eleanor.hunt@sakilac...	152	true
3	149	1	Valerie	Black	valerie.black@sakilac...	153	true
4	152	1	Alicia	Mills	alicia.mills@sakilacu...	156	true
5	155	1	Gail	Knight	gail.knight@sakilacus...	159	true
6	156	1	Bertha	Ferguson	bertha.ferguson@sak...	160	true
7	158	1	Veronica	Stone	veronica.stone@sakil...	162	true

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

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

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

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	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