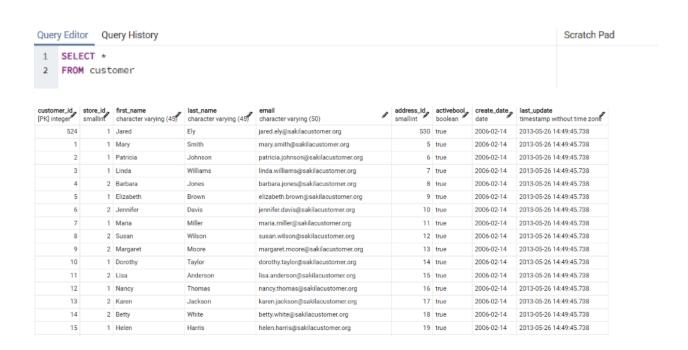
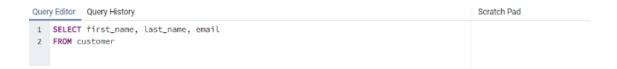
Name: Qianbing Chen

SQL SELECT, WHERE, DISTINCT practice

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



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



| 4 | 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 |
| 8 | Maria | Miller | maria.miller@sakilacustomer.org |
| 9 | Susan | Wilson | susan.wilson@sakilacustomer.org |
| 10 | Margaret | Moore | margaret.moore@sakilacustomer.org |
| 11 | Dorothy | Taylor | dorothy.taylor@sakilacustomer.org |
| 12 | Lisa | Anderson | lisa.anderson@sakilacustomer.org |
| 13 | Nancy | Thomas | nancy.thomas@sakilacustomer.org |
| 14 | Karen | Jackson | karen.jackson@sakilacustomer.org |
| 15 | Betty | White | betty.white@sakilacustomer.org |
| | | | |

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

Query Editor Query History

1 SELECT * 2 FROM film

| 4 | 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 | replacement_cost numeric (5,2) | rating mpaa_r |
|----|-------------------------|----------------------------------|------------------------------------|-------------------------|-------------------------|-----------------------------|------------------------------|--------------------|-----------------------------------|------------------|
| 1 | 133 | Chamber Italian | A Fateful Reflection of a Moose A | 2006 | 1 | 7 | 4.99 | 117 | 14.99 | NC-17 |
| 2 | 384 | Grosse Wonderful | A Epic Drama of a Cat And a Expl | 2006 | 1 | 5 | 4.99 | 49 | 19.99 | R |
| 3 | 8 | Airport Pollock | A Epic Tale of a Moose And a Girl | 2006 | 1 | 6 | 4.99 | 54 | 15.99 | R |
| 4 | 98 | Bright Encounters | A Fateful Yarn of a Lumberjack A | 2006 | 1 | 4 | 4.99 | 73 | 12.99 | PG-13 |
| 5 | 1 | Academy Dinosaur | A Epic Drama of a Feminist And a | 2006 | 1 | 6 | 0.99 | 86 | 20.99 | PG |
| 6 | 2 | Ace Goldfinger | A Astounding Epistle of a Databa | 2006 | 1 | 3 | 4.99 | 48 | 12.99 | G |
| 7 | 3 | Adaptation Holes | A Astounding Reflection of a Lum | 2006 | 1 | 7 | 2.99 | 50 | 18.99 | NC-17 |
| 8 | 4 | Affair Prejudice | A Fanciful Documentary of a Fris | 2006 | 1 | 5 | 2.99 | 117 | 26.99 | G |
| 9 | 5 | African Egg | A Fast-Paced Documentary of a P | 2006 | 1 | 6 | 2.99 | 130 | 22.99 | G |
| 10 | 6 | Agent Truman | A Intrepid Panorama of a Robot A | 2006 | 1 | 3 | 2.99 | 169 | 17.99 | PG |
| 11 | 7 | Airplane Sierra | A Touching Saga of a Hunter And | 2006 | 1 | 6 | 4.99 | 62 | 28.99 | PG-13 |
| 12 | 9 | Alabama Devil | A Thoughtful Panorama of a Data | 2006 | 1 | 3 | 2.99 | 114 | 21.99 | PG-13 |
| 13 | 10 | Aladdin Calendar | A Action-Packed Tale of a Man A | 2006 | 1 | 6 | 4.99 | 63 | 24.99 | NC-17 |
| 14 | 11 | Alamo Videotape | A Boring Epistle of a Butler And a | 2006 | 1 | 6 | 0.99 | 126 | 16.99 | G |
| 15 | 12 | Alaska Phantom | A Fanciful Saga of a Hunter And a | 2006 | 1 | 6 | 0.99 | 136 | 22.99 | PG |
| 24 | 010 | Data Spand | A Tauchian Cons of a Commone | 0004 | 4 | | 0.00 | 204 | 10.00 | n |

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

Query Editor Query History

1 SELECT DISTINCT release_year
2 FROM film

| 4 | release_year integer |
|----|----------------------|
| 1 | 2006 |
| 2 | 2006 |
| 3 | 2006 |
| 4 | 2006 |
| 5 | 2006 |
| 6 | 2006 |
| 7 | 2006 |
| 8 | 2006 |
| 9 | 2006 |
| 10 | 2006 |
| 11 | 2006 |
| 12 | 2006 |
| 13 | 2006 |
| 14 | 2006 |
| 15 | 2006 |

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

SELECT DISTINCT rental_rate from film



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

SELECT*FROM customer WHERE first_name = 'Nancy' AND last_name = 'Thomas'



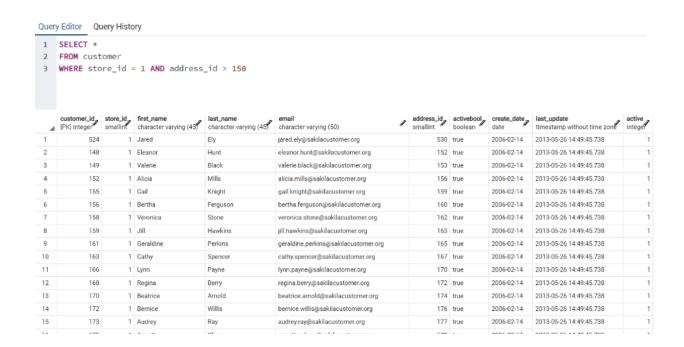
7. We're trying to find a customer located at a certain address '259 Ipoh Drive' – can you find their phone number?

SELECT*FROM address where address='259 Ipoh Drive'



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



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

SELECT*FROM payment WHERE amount=1.99 OR amount= 4.99



| 4 | 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 | 17552 | 352 | 2 | 3331 | 4.99 | 2007-02-21 08:06:19.996577 |
| 11 | 17557 | 354 | 1 | 2275 | 4.99 | 2007-02-18 04:59:55.996577 |
| 12 | 17564 | 356 | 1 | 2433 | 4.99 | 2007-02-18 16:38:43.996577 |
| 13 | 17566 | 357 | 1 | 1788 | 1.99 | 2007-02-16 18:15:44.996577 |
| 14 | 17567 | 357 | 2 | 1971 | 1.99 | 2007-02-17 07:52:25.996577 |
| 15 | 17575 | 359 | 2 | 1329 | 4.99 | 2007-02-15 09:53:32.996577 |
| | | | - | 4770 | | |

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

SELECT*FROM payment WHERE amount>5

- 1 SELECT *
 2 FROM payment
 3 WHERE amount > 5

| 4 | 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 |
| 14 | 17535 | 348 | 1 | 2041 | 8.99 | 2007-02-17 12:47:26.996577 |
| 15 | 17539 | 349 | 2 | 2987 | 6.99 | 2007-02-20 07:24:16.996577 |
| | | | - | | | |