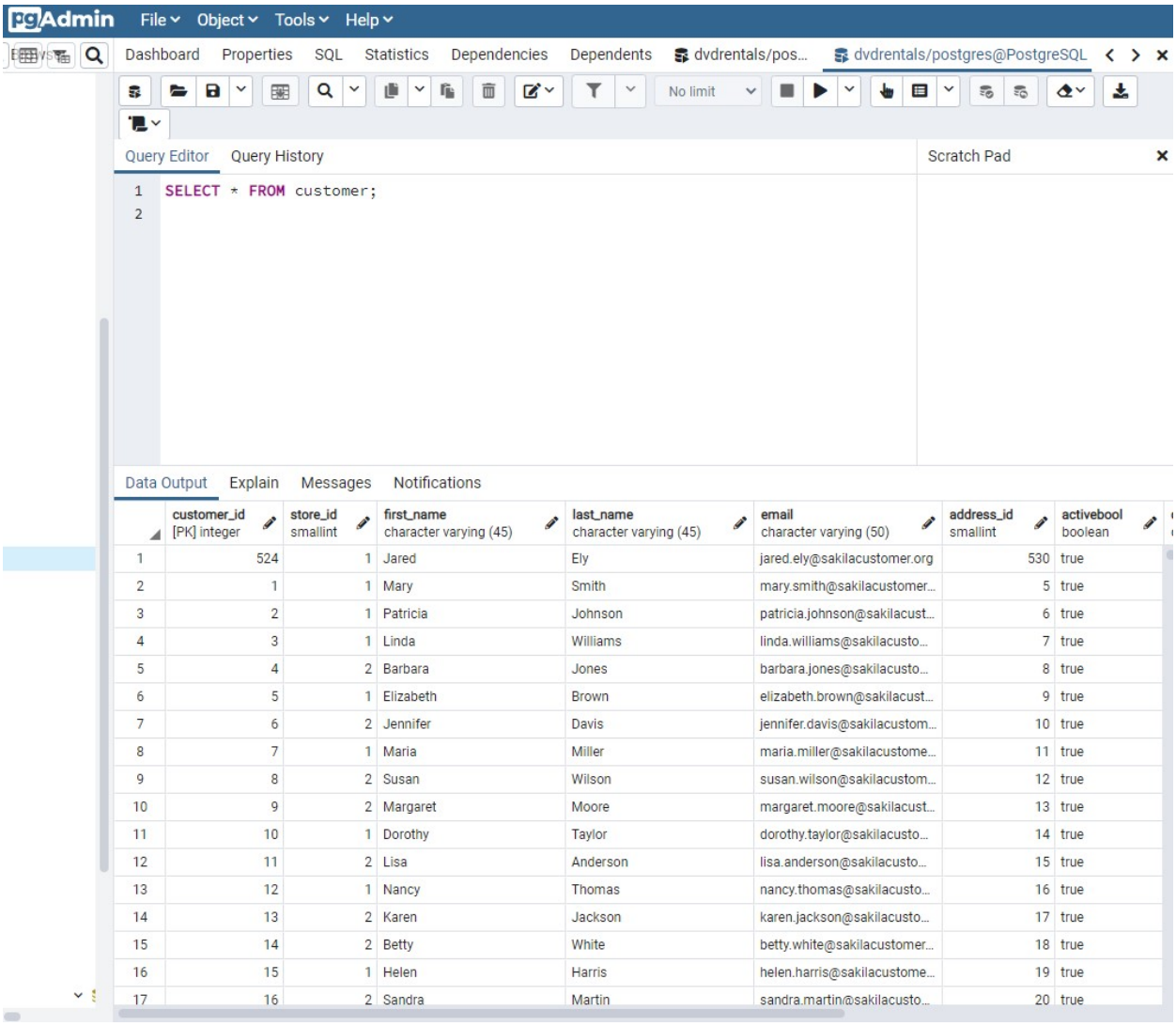
Name: Kenneth Bentley

Data Analytics 2

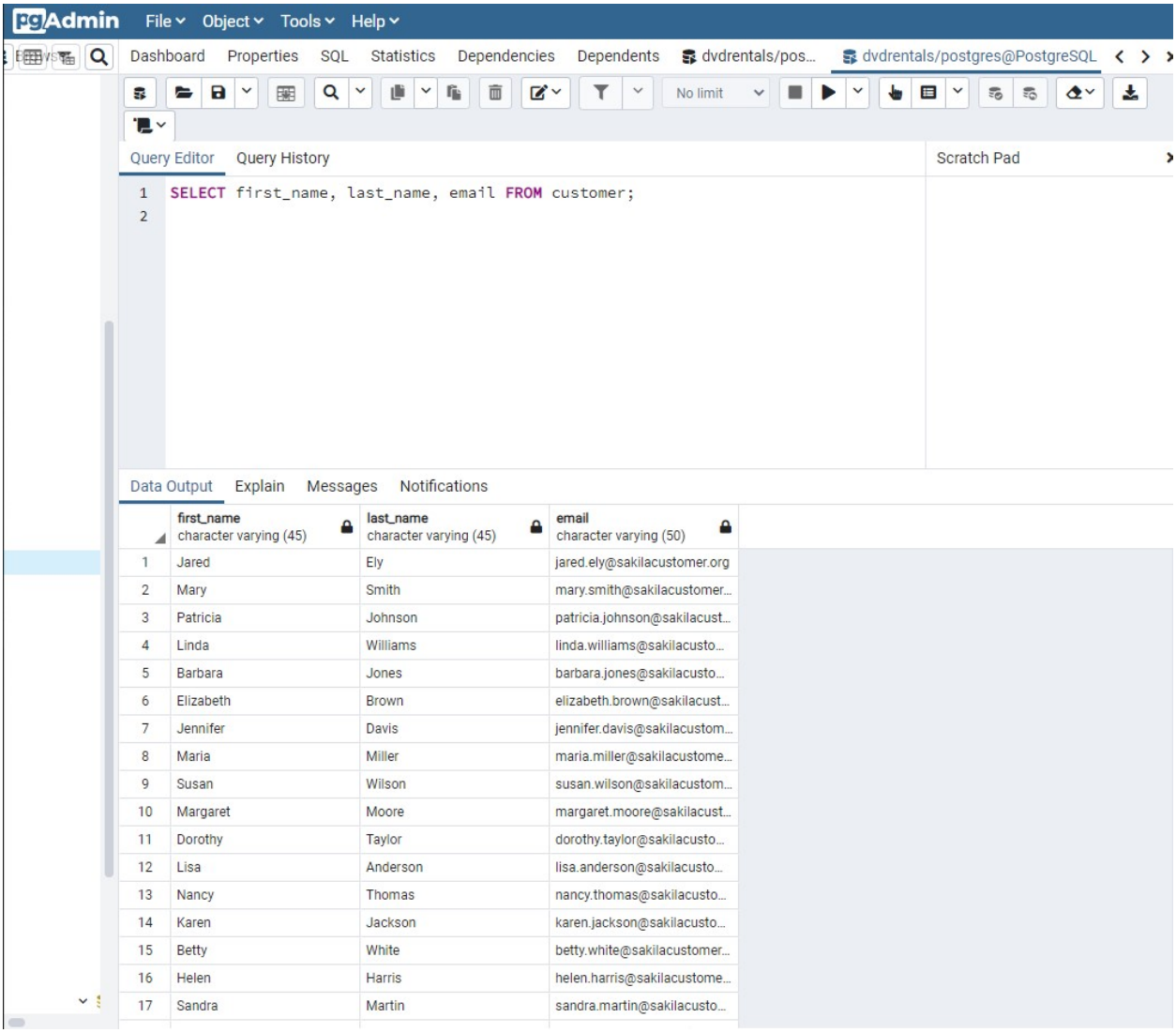
SQL SELECT, WHERE, DISTINCT practice

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



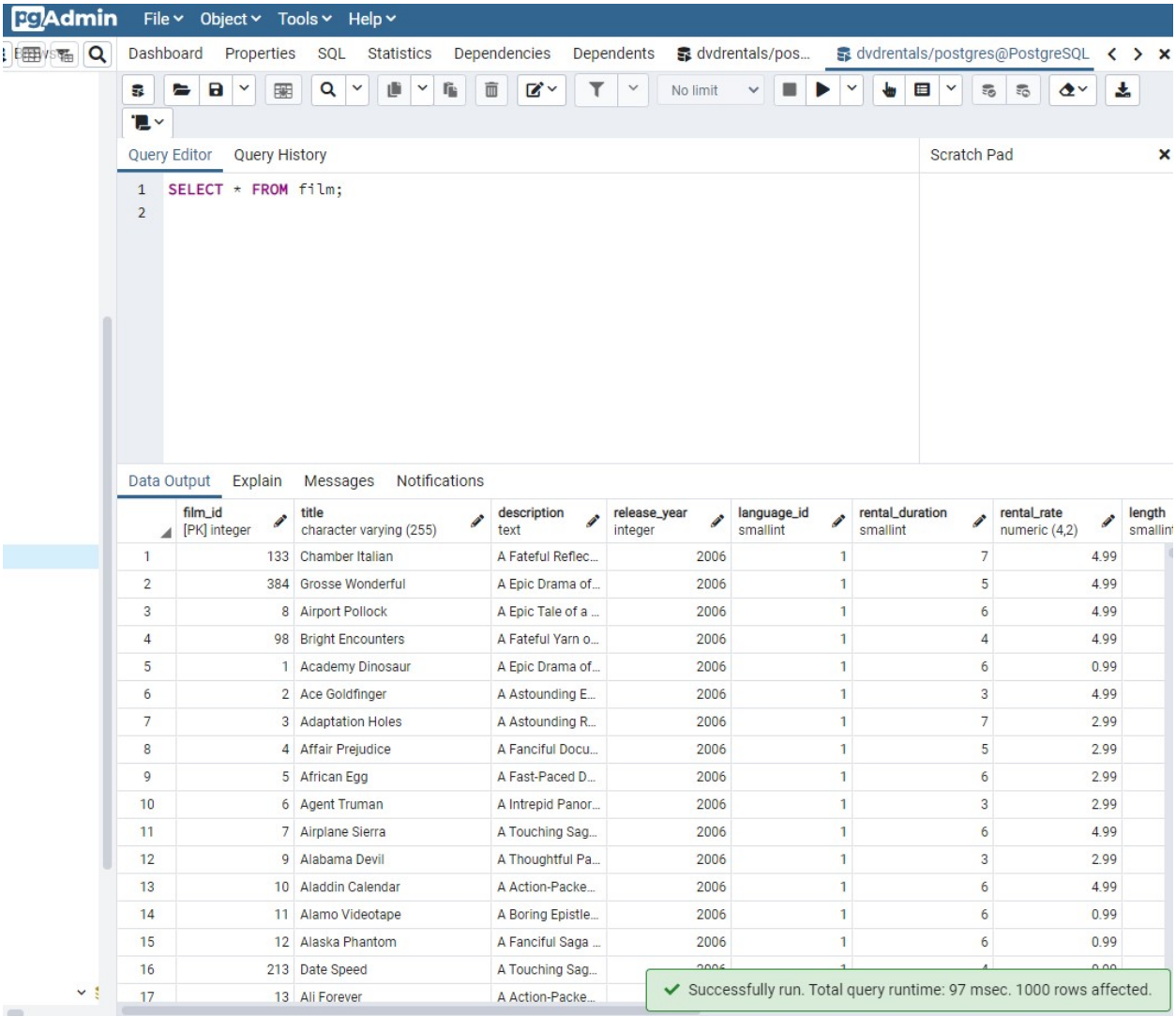
	customer_id [PK] integer	store_id smallint	first_name character varying (45)	last_name character varying (45)	email character varying (50)	address_id smallint	activebool boolean
1	524	1	Jared	Ely	jared.ely@sakilacustomer.org	530	true
2	1	1	Mary	Smith	mary.smith@sakilacustomer...	5	true
3	2	1	Patricia	Johnson	patricia.johnson@sakilacust...	6	true
4	3	1	Linda	Williams	linda.williams@sakilacusto...	7	true
5	4	2	Barbara	Jones	barbara.jones@sakilacusto...	8	true
6	5	1	Elizabeth	Brown	elizabeth.brown@sakilacust...	9	true
7	6	2	Jennifer	Davis	jennifer.davis@sakilacustom...	10	true
8	7	1	Maria	Miller	maria.miller@sakilacustome...	11	true
9	8	2	Susan	Wilson	susan.wilson@sakilacustom...	12	true
10	9	2	Margaret	Moore	margaret.moore@sakilacust...	13	true
11	10	1	Dorothy	Taylor	dorothy.taylor@sakilacusto...	14	true
12	11	2	Lisa	Anderson	lisa.anderson@sakilacusto...	15	true
13	12	1	Nancy	Thomas	nancy.thomas@sakilacusto...	16	true
14	13	2	Karen	Jackson	karen.jackson@sakilacusto...	17	true
15	14	2	Betty	White	betty.white@sakilacustomer...	18	true
16	15	1	Helen	Harris	helen.harris@sakilacustome...	19	true
17	16	2	Sandra	Martin	sandra.martin@sakilacusto...	20	true

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



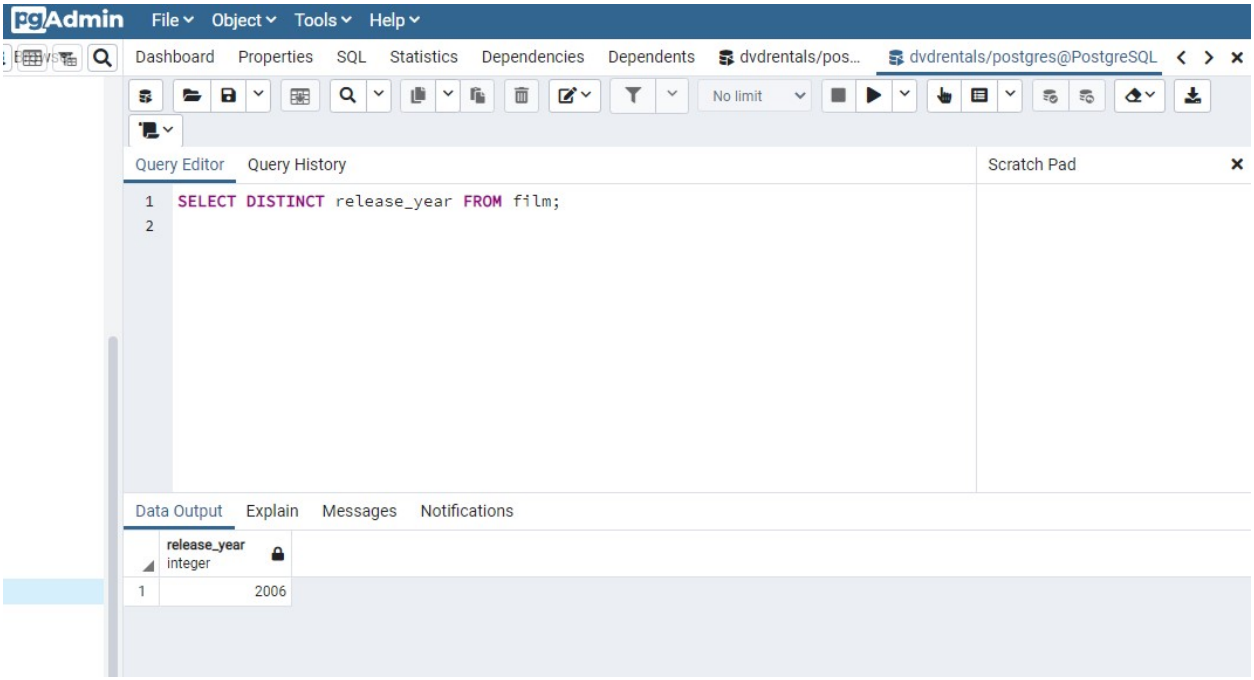
	first_name character varying (45)	last_name character varying (45)	email character varying (50)
1	Jared	Ely	jared.ely@sakilacustomer.org
2	Mary	Smith	mary.smith@sakilacustomer...
3	Patricia	Johnson	patricia.johnson@sakilacust...
4	Linda	Williams	linda.williams@sakilacusto...
5	Barbara	Jones	barbara.jones@sakilacusto...
6	Elizabeth	Brown	elizabeth.brown@sakilacust...
7	Jennifer	Davis	jennifer.davis@sakilacustom...
8	Maria	Miller	maria.miller@sakilacustome...
9	Susan	Wilson	susan.wilson@sakilacustom...
10	Margaret	Moore	margaret.moore@sakilacust...
11	Dorothy	Taylor	dorothy.taylor@sakilacusto...
12	Lisa	Anderson	lisa.anderson@sakilacusto...
13	Nancy	Thomas	nancy.thomas@sakilacusto...
14	Karen	Jackson	karen.jackson@sakilacusto...
15	Betty	White	betty.white@sakilacustomer...
16	Helen	Harris	helen.harris@sakilacustome...
17	Sandra	Martin	sandra.martin@sakilacusto...

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

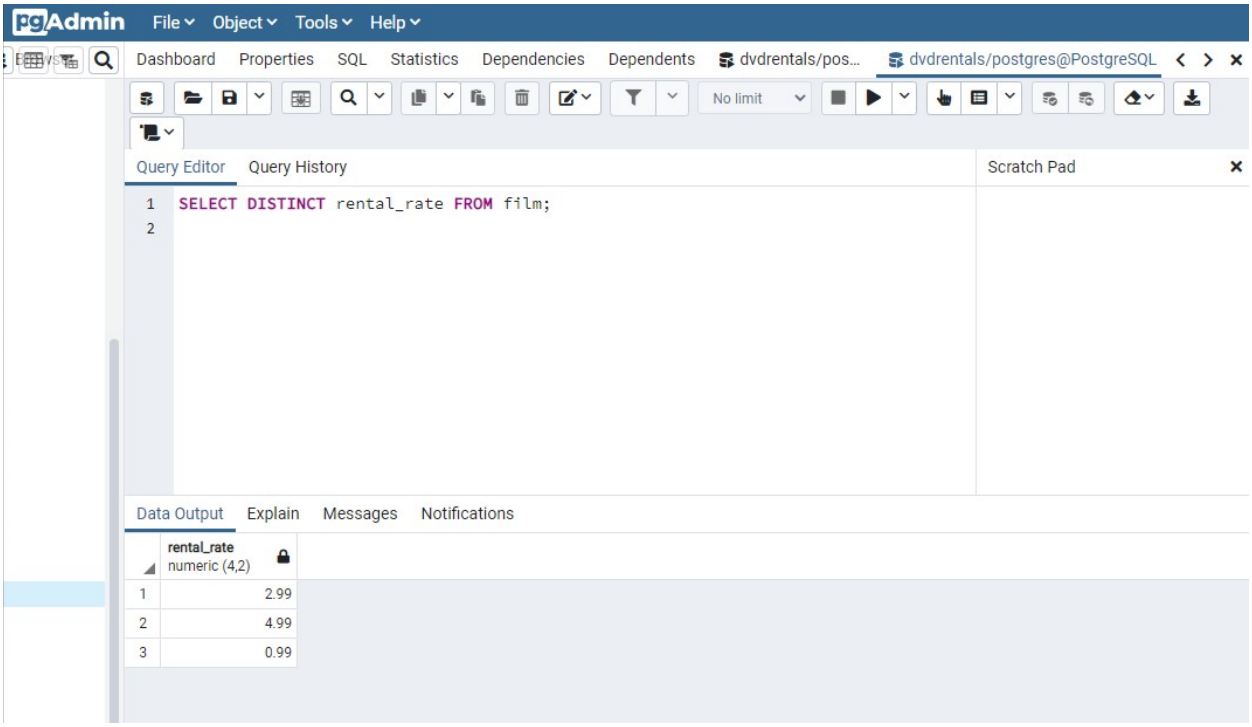


	film_id [PK] integer	title character varying (255)	description text	release_year integer	language_id smallint	rental_duration smallint	rental_rate numeric (4,2)	length
1	133	Chamber Italian	A Fateful Reflec...	2006	1	7	4.99	
2	384	Grosse Wonderful	A Epic Drama of...	2006	1	5	4.99	
3	8	Airport Pollock	A Epic Tale of a ...	2006	1	6	4.99	
4	98	Bright Encounters	A Fateful Yarn o...	2006	1	4	4.99	
5	1	Academy Dinosaur	A Epic Drama of...	2006	1	6	0.99	
6	2	Ace Goldfinger	A Astounding E...	2006	1	3	4.99	
7	3	Adaptation Holes	A Astounding R...	2006	1	7	2.99	
8	4	Affair Prejudice	A Fanciful Docu...	2006	1	5	2.99	
9	5	African Egg	A Fast-Paced D...	2006	1	6	2.99	
10	6	Agent Truman	A Intrepid Panor...	2006	1	3	2.99	
11	7	Airplane Sierra	A Touching Sag...	2006	1	6	4.99	
12	9	Alabama Devil	A Thoughtful Pa...	2006	1	3	2.99	
13	10	Aladdin Calendar	A Action-Packe...	2006	1	6	4.99	
14	11	Alamo Videotape	A Boring Epistle...	2006	1	6	0.99	
15	12	Alaska Phantom	A Fanciful Saga ...	2006	1	6	0.99	
16	213	Date Speed	A Touching Sag...					
17	13	Ali Forever	A Action-Packe...					

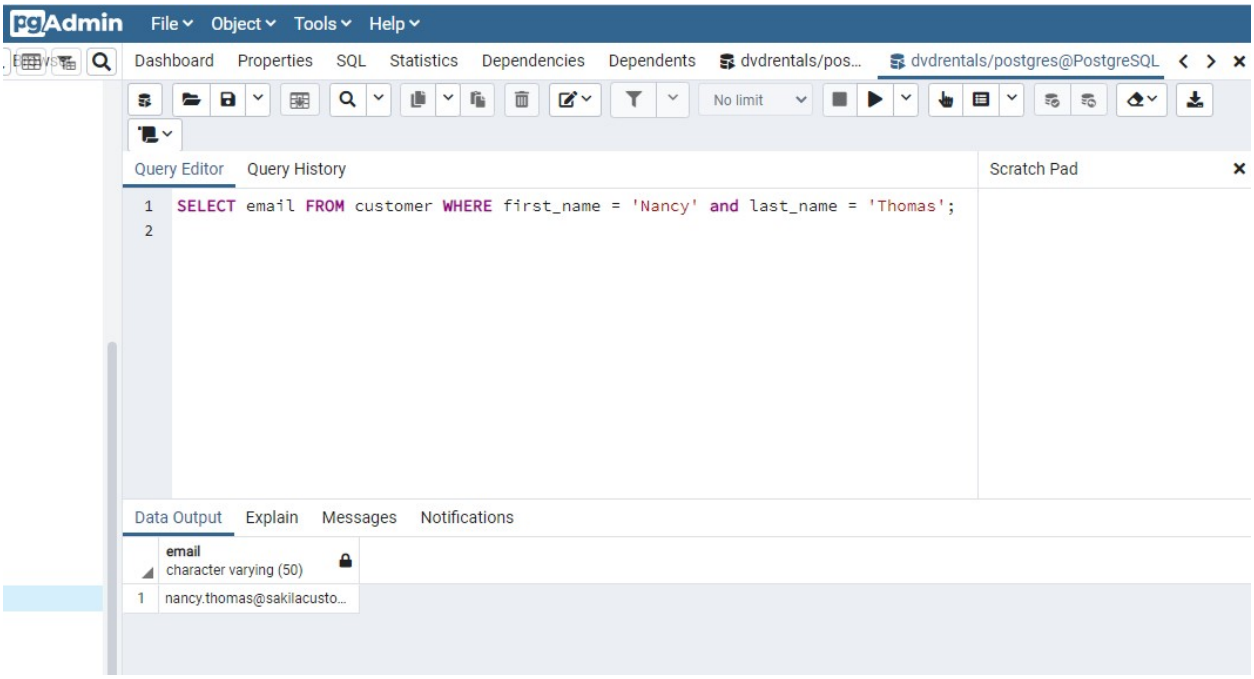
4. Write a query to return unique rows from the release_year column in the film table.



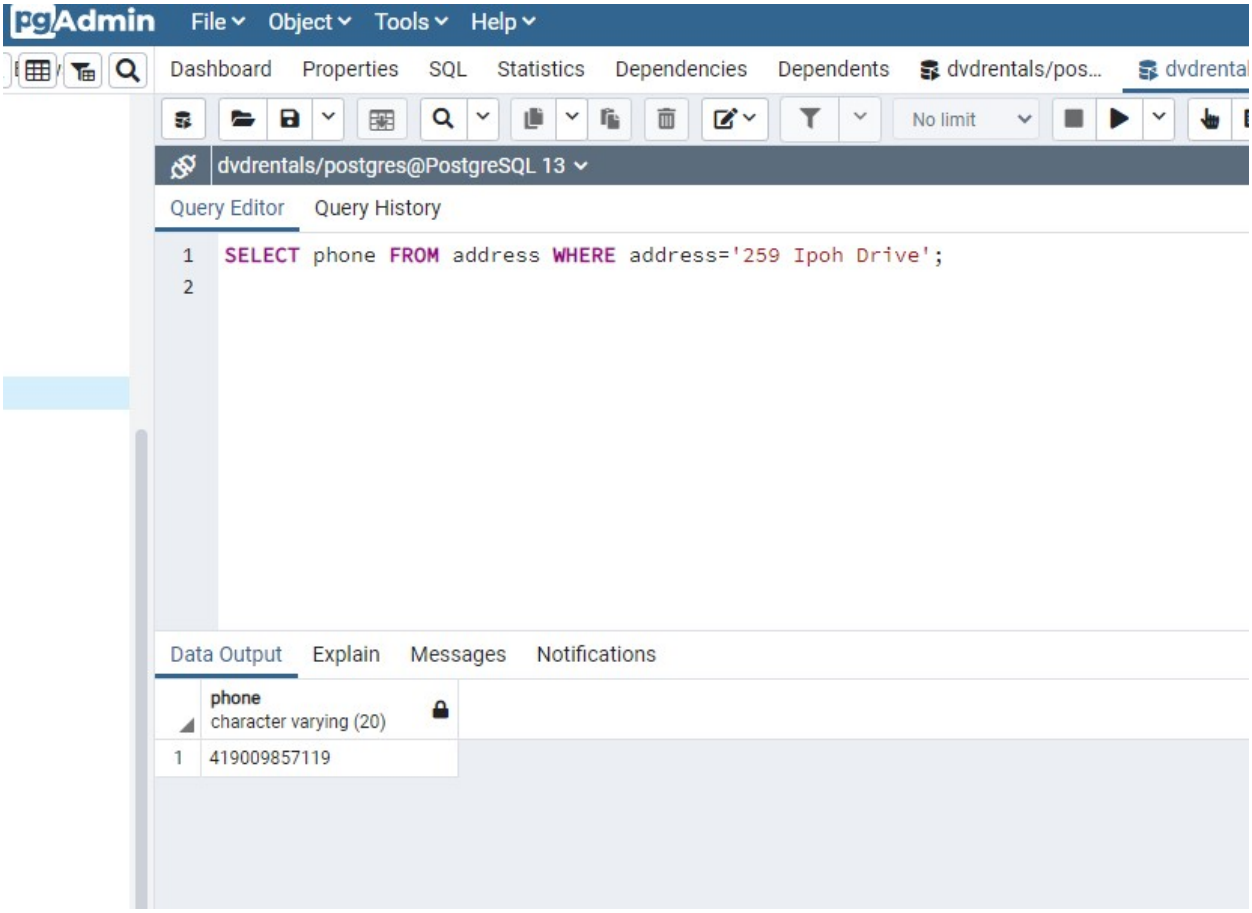
5. Write a query to return unique rows from the rental_rate column in the film table.



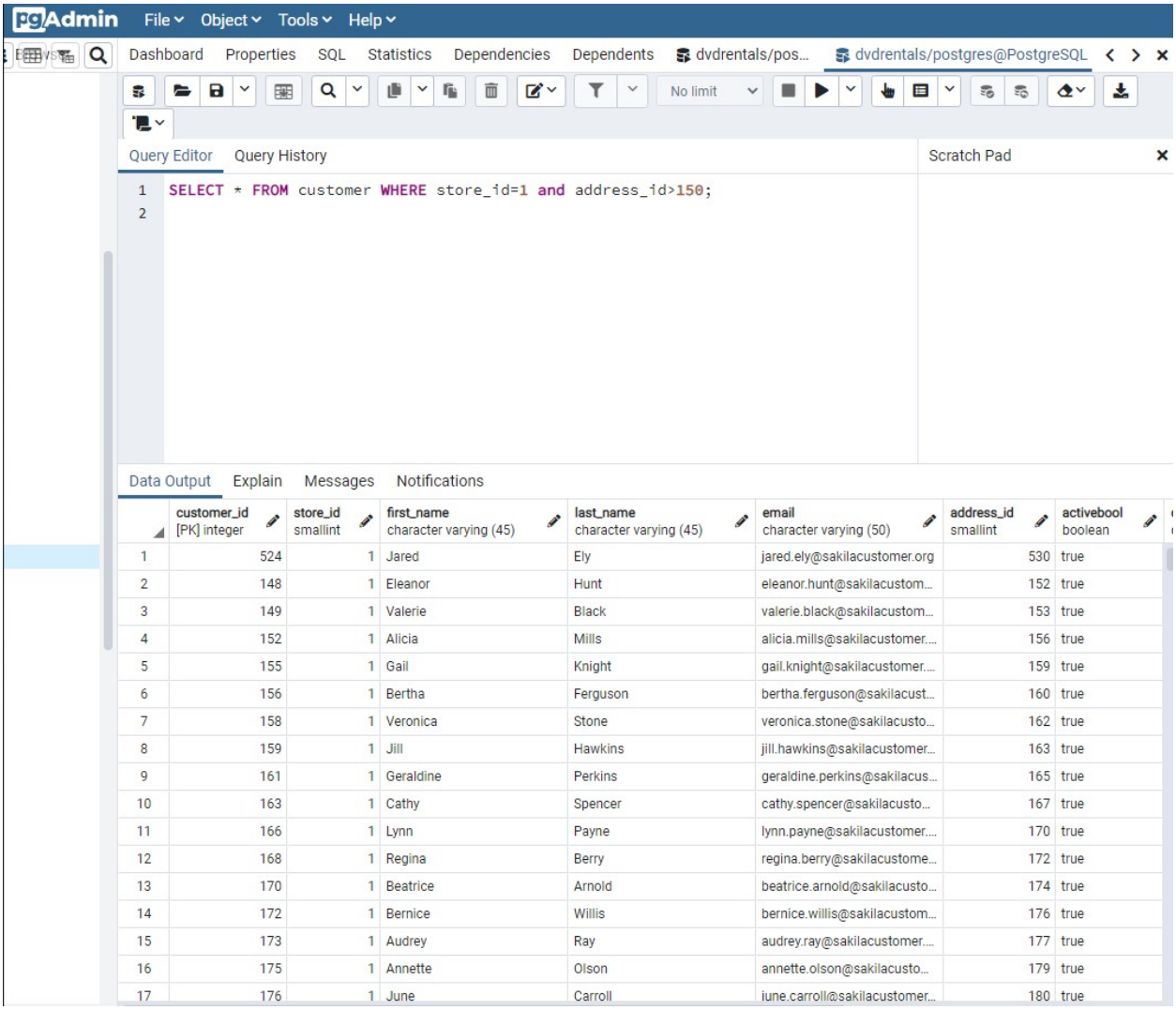
6. A customer left us some feedback about our store. Write a query to find her email address – for Nancy Thomas.



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

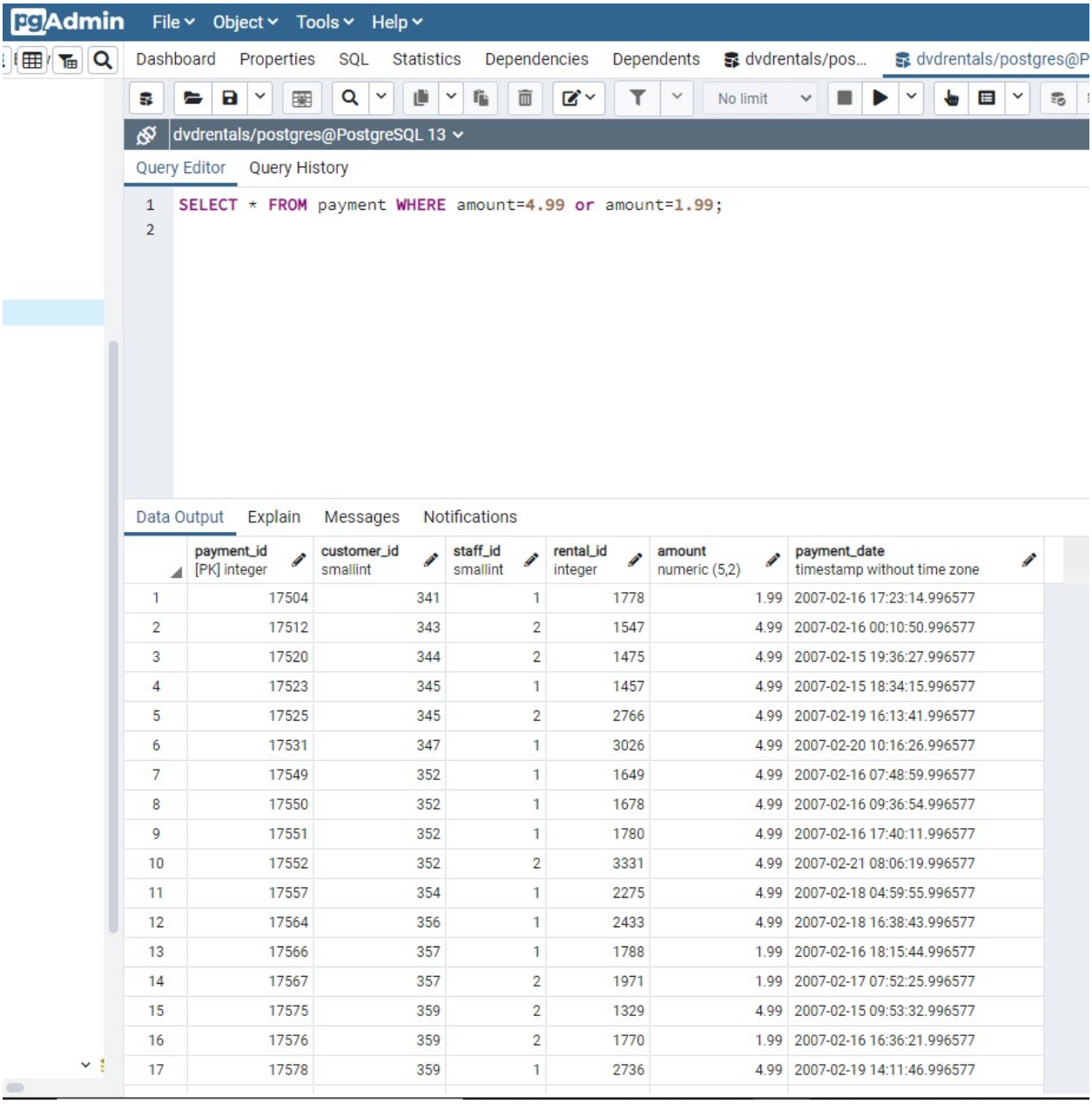


8. Write a query from the customer table, where store id is 1 and address id is greater than 150.



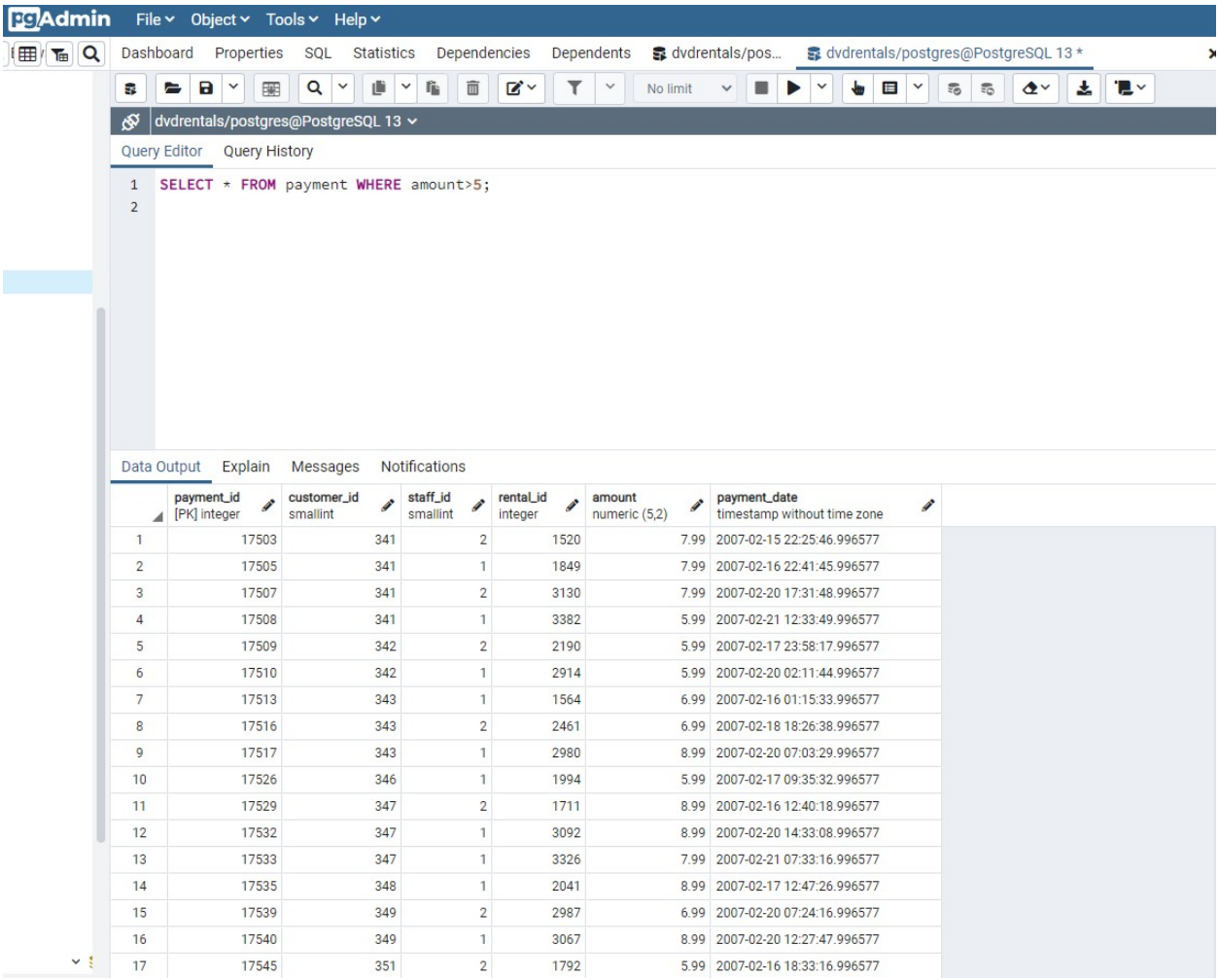
	customer_id [PK] integer	store_id smallint	first_name character varying (45)	last_name character varying (45)	email character varying (50)	address_id smallint	activebool boolean
1	524	1	Jared	Ely	jared.ely@sakilacustomer.org	530	true
2	148	1	Eleanor	Hunt	eleanor.hunt@sakilacustom...	152	true
3	149	1	Valerie	Black	valerie.black@sakilacustom...	153	true
4	152	1	Alicia	Mills	alicia.mills@sakilacustomer....	156	true
5	155	1	Gail	Knight	gail.knight@sakilacustomer....	159	true
6	156	1	Bertha	Ferguson	bertha.ferguson@sakilacust...	160	true
7	158	1	Veronica	Stone	veronica.stone@sakilacusto...	162	true
8	159	1	Jill	Hawkins	jill.hawkins@sakilacustomer...	163	true
9	161	1	Geraldine	Perkins	geraldine.perkins@sakilacus...	165	true
10	163	1	Cathy	Spencer	cathy.spencer@sakilacusto...	167	true
11	166	1	Lynn	Payne	lynn.payne@sakilacustomer....	170	true
12	168	1	Regina	Berry	regina.berry@sakilacustome...	172	true
13	170	1	Beatrice	Arnold	beatrice.arnold@sakilacusto...	174	true
14	172	1	Bernice	Willis	bernice.willis@sakilacustom...	176	true
15	173	1	Audrey	Ray	audrey.ray@sakilacustomer....	177	true
16	175	1	Annette	Olson	annette.olson@sakilacusto...	179	true
17	176	1	June	Carroll	june.carroll@sakilacustomer...	180	true

9. Write a query from the payment table where the amount is either 4.99 or 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	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
16	17576	359	2	1770	1.99	2007-02-16 16:36:21.996577
17	17578	359	1	2736	4.99	2007-02-19 14:11:46.996577

10. Write a query to return a list of transitions from the payment table where the amount is greater than 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
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
16	17540	349	1	3067	8.99	2007-02-20 12:27:47.996577
17	17545	351	2	1792	5.99	2007-02-16 18:33:16.996577