

## Union

The screenshot shows the pgAdmin 4 interface with a SQL query editor. The query is:

```
1 select posted_user_id from posts union select userid from users;
```

The query has been executed, and the results are displayed in the Data Output tab. The results are as follows:

posted_user_id
107
110
101
108
103
104
105
109
106
102
111

## UNION ALL

The screenshot shows the pgAdmin 4 interface with a SQL query editor. The query is:

```
1 SELECT posted_user_id from posts union all SELECT userid from users;
```

The query has been executed, and the results are displayed in the Data Output tab. The results are as follows:

posted_user_id
101
106
102
107
106
107
101
102
105
103
104
108
109
110

## INTERSECT

The screenshot shows the pgAdmin 4 interface with the 'Query Editor' tab active. The query being executed is:

```
1 SELECT POST_ID FROM POSTS INTERSECT SELECT POST_ID FROM POSTLIKES;
```

The 'Data Output' tab shows the results of the query, which are three rows of POST\_ID values:

post_id
542
443
422

A status message at the bottom right indicates: 'Successfully run. Total query runtime: 105 msec. 3 rows affected.'

## VIEWS

The screenshot shows the pgAdmin 4 interface with the 'Query Editor' tab active. The query being executed is:

```
1 CREATE VIEW CONTACTS AS
2 SELECT USERID, EMAIL, PHONE, FNAME, LNAME FROM USERS;
3
4 SELECT * FROM CONTACTS;
```

The 'Data Output' tab shows the results of the query, which are 11 rows of user data:

userid	email	phone	fname	lname
106	phoebe12@hotmail.com	7890923134	Phoebe	Buffay
107	ross@gmail.com	5611261666	Ross	Geller
101	jess@hotmail.com	9190111000	Justin	Foley
102	jessica@hotmail.com	7331190123	Jessica	Edgar
105	monica@gmail.com	9134111000	Monica	Bing
103	joey@gmail.com	9012233444	Joey	Tribiani
104	chan@gmail.com	9045263444	Chandler	Bing
108	gunther@gmail.com	9000012345	Gunther	Steven
109	alex@gmail.com	8900032123	Alex	Martin
110	px@gmail.com	9900011222	Pierson	Xavier
111	zp@gmail.com	7286549000	Zoe	Pliea

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Query Editor Query History

```
1 CREATE VIEW chicago_people AS
2 SELECT * FROM users
3 WHERE city='Chicago';
4
5 SELECT * FROM chicago_people;
```

Data Output Explain Messages Notifications

	userid	email	phone	pass_word	fname	lname	city	pincode
	bigint	character varying (40)	bigint	character varying (10)	character varying (30)	character varying (30)	character varying (20)	character varying (6)
1	102	jessica@hotmail.com	7331190123	jejij	Jessica	Edgar	Chicago	123000
2	103	joey@gmail.com	9012233444	joyyy	Joey	Tribiani	Chicago	127680

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Query Editor Query History

```
1 CREATE VIEW user_details AS
2 SELECT userid, phone, fname, lname FROM users;
3
4 SELECT * FROM user_details;
```

Data Output Explain Messages Notifications

	userid	phone	fname	lname
	bigint	bigint	character varying (30)	character varying (30)
1	106	7890923134	Phoebe	Buffay
2	107	5611261666	Ross	Geller
3	101	9190111000	Justin	Foley
4	102	7331190123	Jessica	Edgar
5	105	9134111000	Monica	Bing
6	103	9012233444	Joey	Tribiani
7	104	9045263444	Chandler	Bing
8	108	9000012345	Gunther	Steven
9	109	8900032123	Alex	Martin
10	110	9900011222	Pierson	Xavier
11	111	7286549000	Zoe	Pliea

Successfully run. Total query runtime: 148 msec. 11 rows affected.

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Query Editor Query History

```
1 CREATE VIEW user_details AS
2 SELECT userid, phone, fname, lname FROM users
3 WHERE CITY NOT IN ('LA', 'Chicago');
4
5 SELECT * FROM user_details;
```

Data Output Explain Messages Notifications

	userid bigint	phone bigint	fname character varying (30)	lname character varying (30)
1	106	7890923134	Phoebe	Buffay
2	107	5611261666	Ross	Geller
3	105	9134111000	Monica	Bing
4	108	9000012345	Gunther	Steven
5	110	9900011222	Pierson	Xavier

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## DROP View

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Query Editor Query History

```
1 DROP VIEW user_details;
```

Data Output Explain Messages Notifications

DROP VIEW

Query returned successfully in 127 msec.

Query returned successfully in 127 msec.

Type here to search

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