

Test select

The screenshot shows the DBeaver 24.1.2 interface. The left sidebar displays the 'Database Navigator' with the 'public' schema selected, showing a list of tables including 'actor', 'address', 'category', 'city', 'country', 'customer', 'film', 'film_actor', 'film_category', 'inventory', 'language', 'payment', 'rental', 'staff', and 'store'. The 'actor' table is highlighted. The main SQL Editor window contains the query: `SELECT * FROM actor;`. Below the editor, the 'actor' table data is displayed in a grid view. The status bar at the bottom indicates '200 row(s) fetched - 0.027s (0.022s fetch), on 2024-07-17 at 13:44:20'.

actor_id	first_name	last_name	last_update
1	Penelope	Guiness	5-26 14:47:57.620
2	Nick	Wahlberg	5-26 14:47:57.620
3	Ed	Chase	5-26 14:47:57.620
4	Jennifer	Davis	5-26 14:47:57.620
5	Johnny	Lollobrigida	5-26 14:47:57.620
6	Bette	Nicholson	5-26 14:47:57.620
7	Grace	Mostel	5-26 14:47:57.620
8	Matthew	Johansson	5-26 14:47:57.620
9	Joe	Swank	5-26 14:47:57.620
10	Christian	Gable	5-26 14:47:57.620
11	Zero	Cage	5-26 14:47:57.620
12	Karl	Berrv	5-26 14:47:57.620

Test insert

The screenshot shows the DBeaver 24.1.2 interface. The left sidebar displays the 'Database Navigator' with the 'public' schema selected, showing a list of tables including 'actor', 'address', 'category', 'city', 'country', 'customer', 'film', 'film_actor', 'film_category', 'inventory', 'language', 'payment', 'rental', 'staff', and 'store'. The 'actor' table is highlighted. The main SQL Editor window contains the query: `INSERT INTO actor (first_name, last_name) VALUES ('Ryaas', 'Ishlah');`. Below the editor, the 'Statistics 1' window is displayed, showing the execution details of the query. The status bar at the bottom indicates '5:1 (71)' and 'Sel: 71 | 1'.

Name	Value
Updated Rows	1
Query	INSERT INTO actor (first_name, last_name) VALUES ('Ryaas', 'Ishlah')
Start time	Wed Jul 17 13:46:37 ICT 2024
Finish time	Wed Jul 17 13:46:37 ICT 2024

Test update

The screenshot shows the DBeaver 24.1.2 interface with a PostgreSQL database connected. The left sidebar displays the database structure, including the 'actor' table. The main SQL editor contains the following script:

```
--testinsert
SELECT * FROM actor;

INSERT INTO actor (first_name, last_name) VALUES ('Ryaas', 'Ishlah');

UPDATE actor SET first_name = 'Iyas' where actor_id = 1;
```

The 'Statistics 1' window at the bottom right shows the results of the update operation:

Name	Value
Updated Rows	1
Query	UPDATE actor SET first_name = 'Iyas' Where actor_id = 1
Start time	Wed Jul 17 13:47:18 ICT 2024
Finish time	Wed Jul 17 13:47:18 ICT 2024

Test delete

The screenshot shows the DBeaver 24.1.2 interface with a PostgreSQL database connected. The left sidebar displays the database structure, including the 'actor' table. The main SQL editor contains the following script:

```
--testinsert
SELECT * FROM actor;

INSERT INTO actor (first_name, last_name) VALUES ('Ryaas', 'Ishlah');

UPDATE actor SET first_name = 'Iyas' where actor_id = 1;

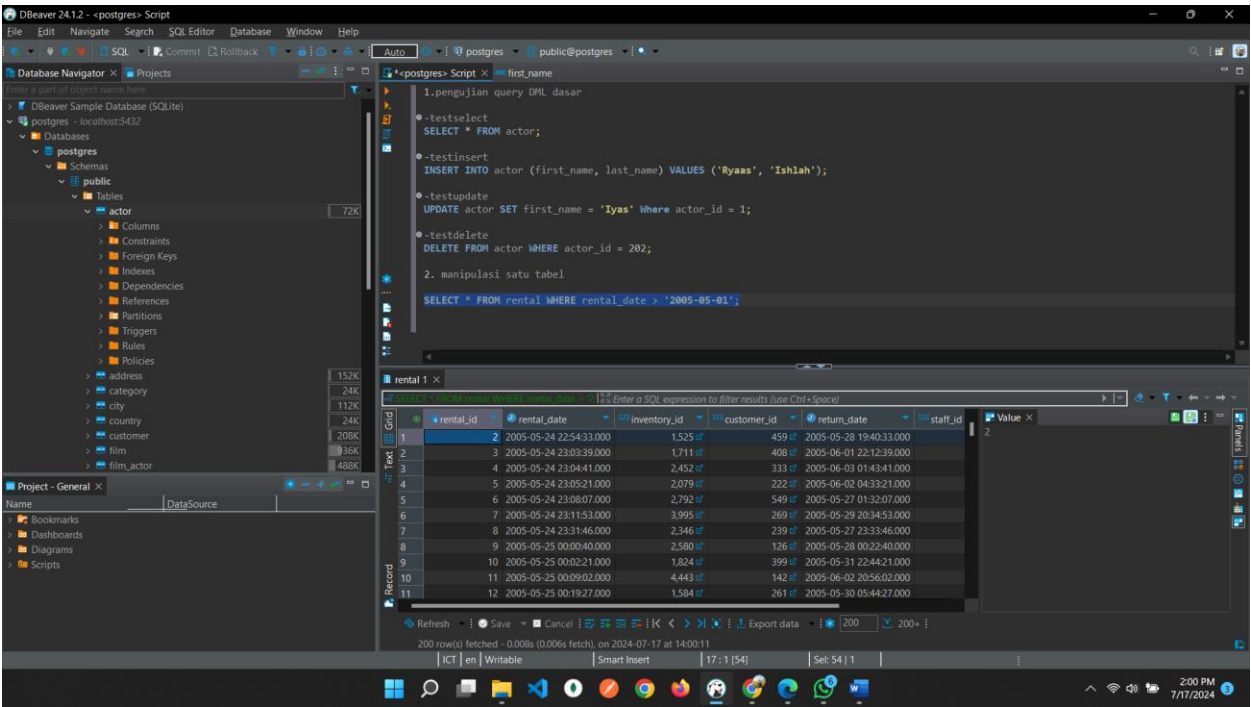
SELECT * FROM category;

DELETE FROM actor WHERE actor_id = 202;
```

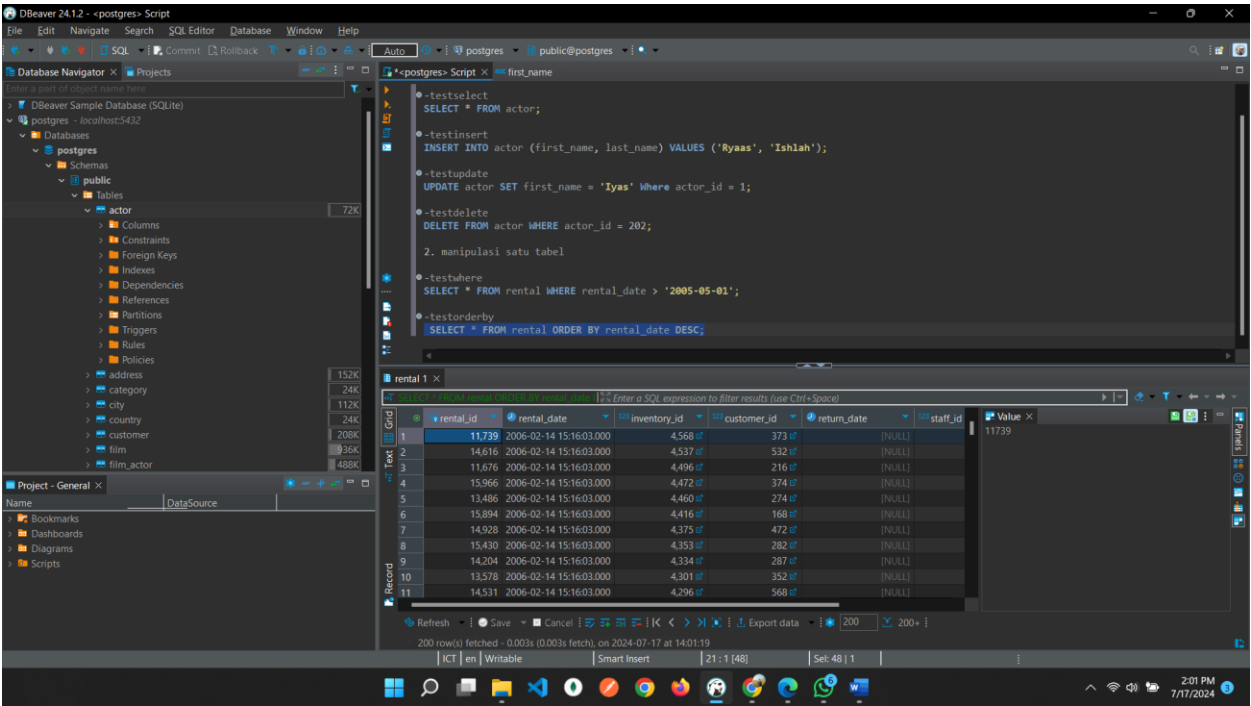
The 'Statistics 1' window at the bottom right shows the results of the delete operation:

Name	Value
Updated Rows	0
Query	DELETE FROM actor WHERE actor_id = 202
Start time	Wed Jul 17 13:56:54 ICT 2024
Finish time	Wed Jul 17 13:56:54 ICT 2024

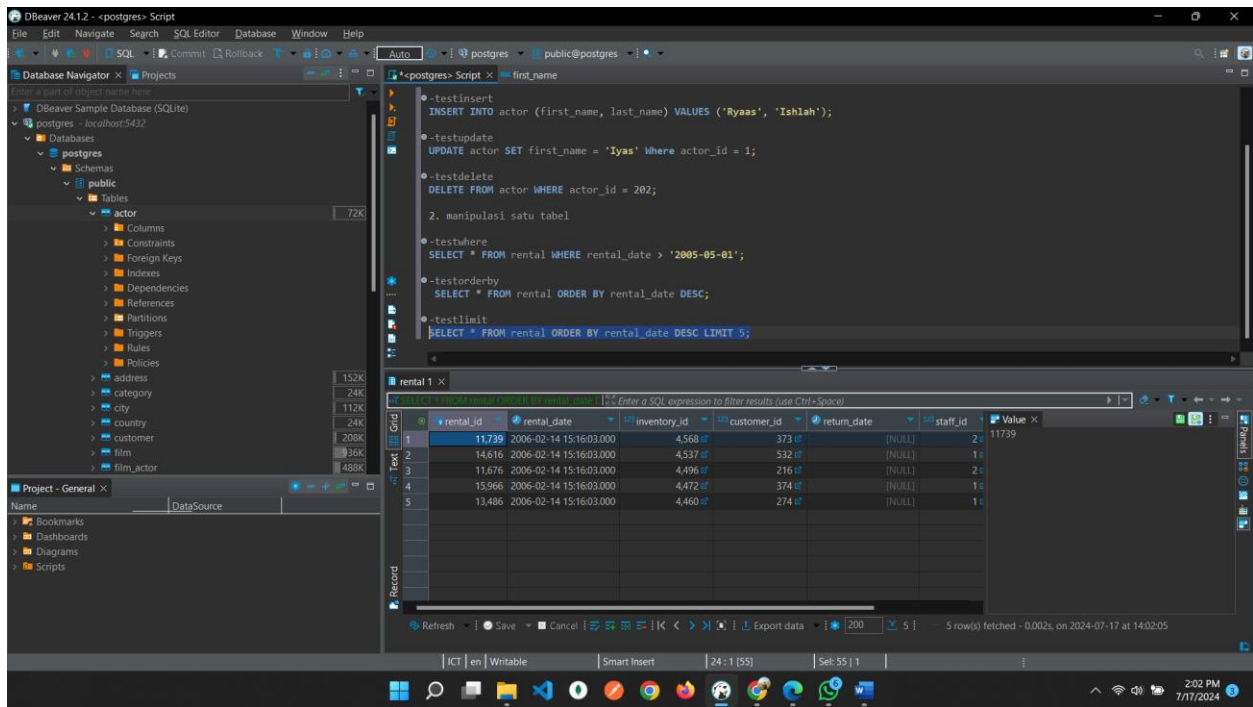
Test where



Test order by



Test limit



The screenshot shows the DBeaver 24.1.2 interface with a PostgreSQL database. The left sidebar displays the database structure, including the 'actor' table. The main window shows a SQL script with several test queries. The 'testlimit' query is selected, and its results are displayed in a table.

```
•-testinsert
INSERT INTO actor (first_name, last_name) VALUES ('Ryaas', 'Ishlah');

•-testupdate
UPDATE actor SET first_name = 'Iyas' where actor_id = 1;

•-testdelete
DELETE FROM actor WHERE actor_id = 202;

2. manipulasi satu tabel

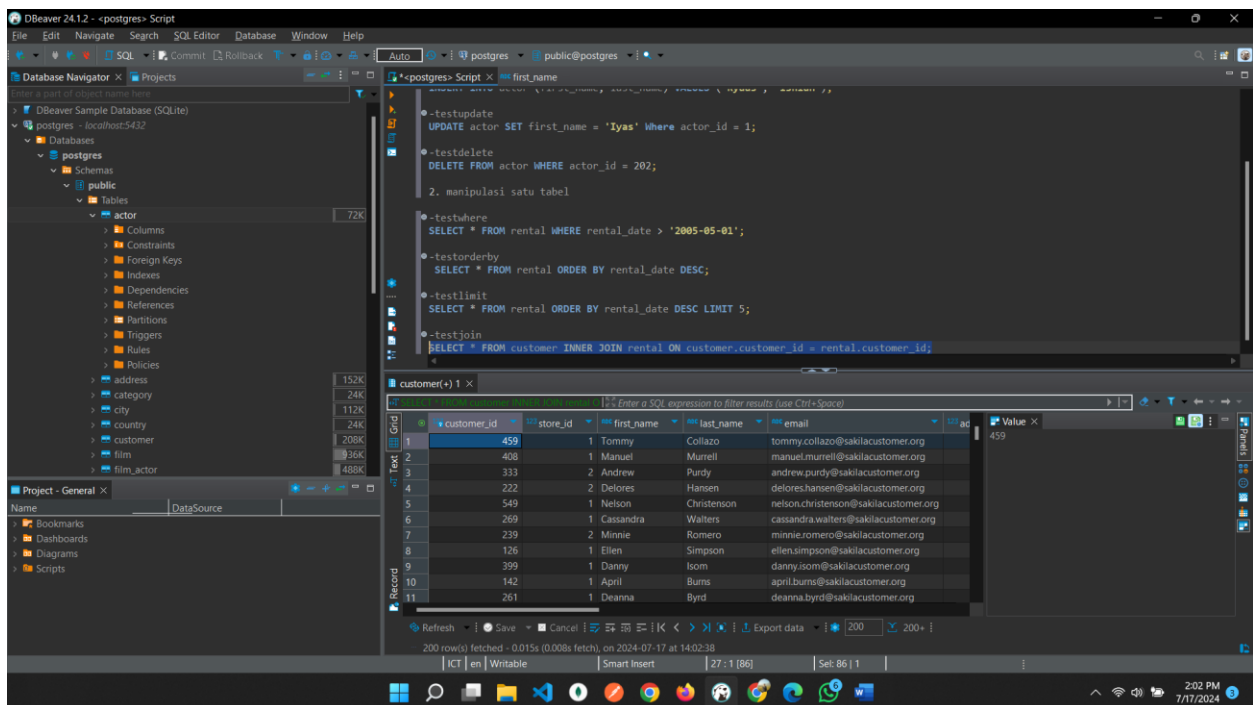
•-testwhere
SELECT * FROM rental WHERE rental_date > '2005-05-01';

•-testorderby
SELECT * FROM rental ORDER BY rental_date DESC;

•-testlimit
SELECT * FROM rental ORDER BY rental_date DESC LIMIT 5;
```

id	rental_id	rental_date	inventory_id	customer_id	return_date	staff_id	Value
1	11739	2006-02-14 15:16:03.000	4568	373	[NULL]	1	11739
2	14616	2006-02-14 15:16:03.000	4537	532	[NULL]	1	1
3	11676	2006-02-14 15:16:03.000	4496	216	[NULL]	2	2
4	15966	2006-02-14 15:16:03.000	4472	374	[NULL]	1	1
5	13486	2006-02-14 15:16:03.000	4460	274	[NULL]	1	1

Test join



The screenshot shows the DBeaver 24.1.2 interface with a PostgreSQL database. The left sidebar displays the database structure, including the 'customer' table. The main window shows a SQL script with several test queries. The 'testjoin' query is selected, and its results are displayed in a table.

```
•-testupdate
UPDATE actor SET first_name = 'Iyas' where actor_id = 1;

•-testdelete
DELETE FROM actor WHERE actor_id = 202;

2. manipulasi satu tabel

•-testwhere
SELECT * FROM rental WHERE rental_date > '2005-05-01';

•-testorderby
SELECT * FROM rental ORDER BY rental_date DESC;

•-testlimit
SELECT * FROM rental ORDER BY rental_date DESC LIMIT 5;

•-testjoin
SELECT * FROM customer INNER JOIN rental ON customer.customer_id = rental.customer_id;
```

customer_id	store_id	first_name	last_name	email	Value
459	1	Tommy	Collazo	tommy.collazo@sakilacustomer.org	459
408	1	Manuel	Murrell	manuel.murrell@sakilacustomer.org	
333	2	Andrew	Purdy	andrew.purdy@sakilacustomer.org	
222	2	Delores	Hansen	delores.hansen@sakilacustomer.org	
549	1	Nelson	Christenson	nelson.christenson@sakilacustomer.org	
269	1	Cassandra	Walters	cassandra.walters@sakilacustomer.org	
239	2	Minnie	Romero	minnie.romero@sakilacustomer.org	
126	1	Ellen	Simpson	ellen.simpson@sakilacustomer.org	
399	1	Danny	Isom	danny.isom@sakilacustomer.org	
142	1	April	Burns	april.burns@sakilacustomer.org	
261	1	Deanna	Byrd	deanna.byrd@sakilacustomer.org	

Test union

The screenshot shows the DBeaver 24.1.2 interface with a SQL script editor. The script contains several test queries, including a UNION query. The results of the UNION query are displayed in the 'Results 1' window.

```
--testdelete
DELETE FROM actor WHERE actor_id = 202;

2. manipulasi satu tabel

--testwhere
SELECT * FROM rental WHERE rental_date > '2005-05-01';

--testorderby
SELECT * FROM rental ORDER BY rental_date DESC;

--testlimit
SELECT * FROM rental ORDER BY rental_date DESC LIMIT 5;

--testjoin
SELECT * FROM customer INNER JOIN rental ON customer.customer_id = rental.customer_id;

--testunion
SELECT first_name, last_name FROM actor UNION SELECT first_name, last_name FROM customer;
```

id	first_name	last_name
1	Dolores	Wagner
2	Louis	Leone
3	Nicholas	Barfield
4	Byron	Box
5	Cheryl	Murphy
6	Leon	Bostic
7	Rhonda	Kennedy
8	Linda	Williams
9	Johnnie	Chisholm
10	Lawrence	Lawton
11	Michael	Silverman
12	Rio	Crawford

Test intersect

The screenshot shows the DBeaver 24.1.2 interface with a SQL script editor. The script contains several test queries, including an INTERSECT query. The results of the INTERSECT query are displayed in the 'Results 1' window.

```
--testwhere
SELECT * FROM rental WHERE rental_date > '2005-05-01';

--testorderby
SELECT * FROM rental ORDER BY rental_date DESC;

--testlimit
SELECT * FROM rental ORDER BY rental_date DESC LIMIT 5;

--testjoin
SELECT * FROM customer INNER JOIN rental ON customer.customer_id = rental.customer_id;

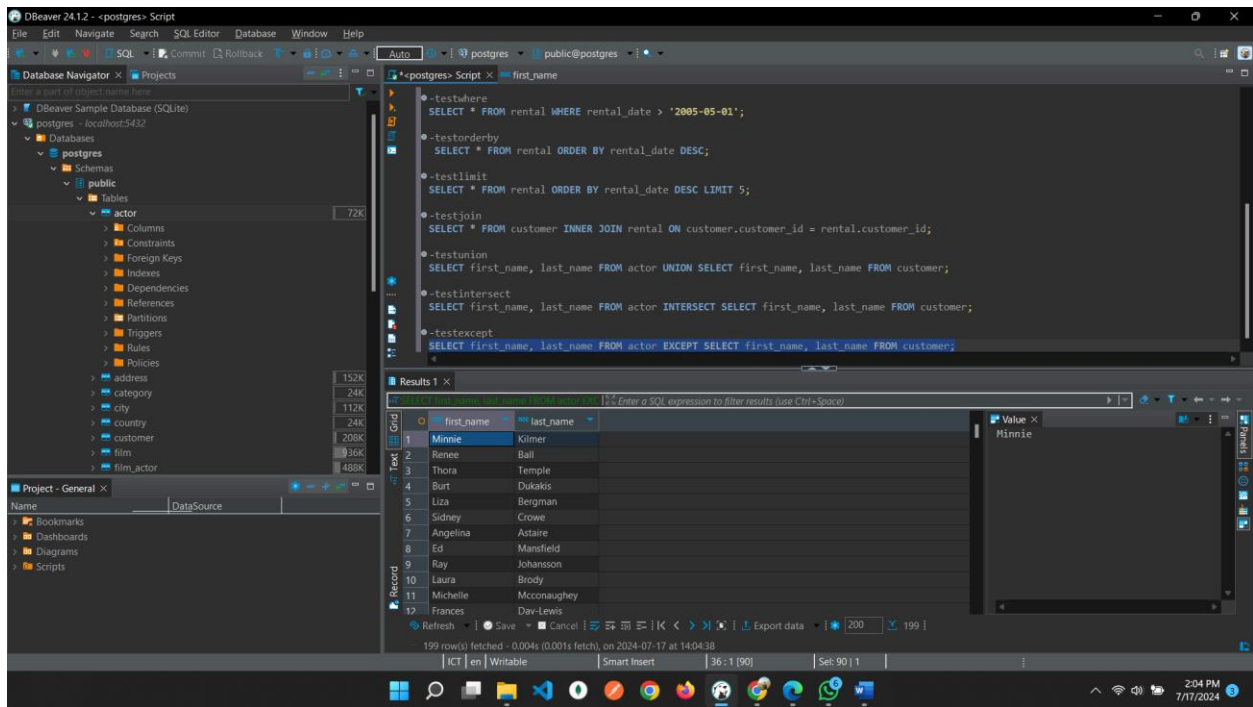
--testunion
SELECT first_name, last_name FROM actor UNION SELECT first_name, last_name FROM customer;

--testintersect
SELECT first_name, last_name FROM actor INTERSECT SELECT first_name, last_name FROM customer;
```

id	first_name	last_name
1	Jennifer	Davis

Column: first_name: varchar(45)
Read-only: No corresponding table column

Test except



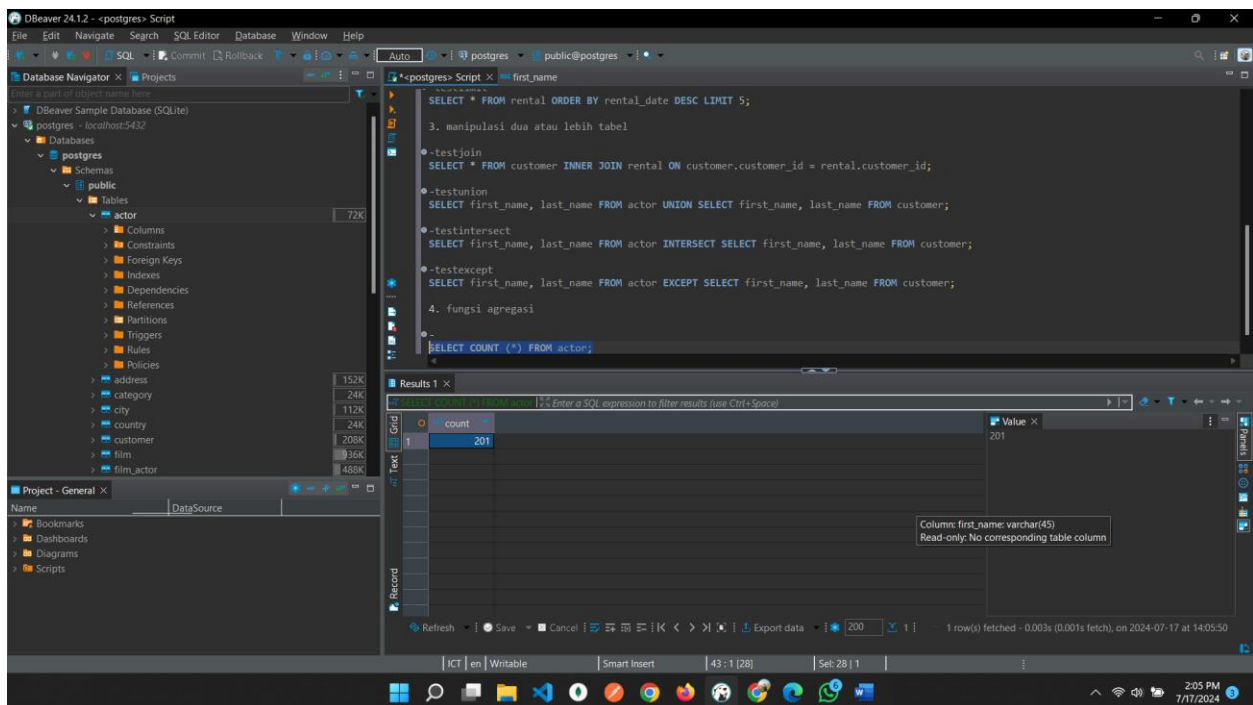
The screenshot shows the DBeaver 24.1.2 interface with a SQL script editor. The script contains several test queries:

- `-testwhere`
`SELECT * FROM rental WHERE rental_date > '2005-05-01';`
- `-testorderby`
`SELECT * FROM rental ORDER BY rental_date DESC;`
- `-testlimit`
`SELECT * FROM rental ORDER BY rental_date DESC LIMIT 5;`
- `-testjoin`
`SELECT * FROM customer INNER JOIN rental ON customer.customer_id = rental.customer_id;`
- `-testunion`
`SELECT first_name, last_name FROM actor UNION SELECT first_name, last_name FROM customer;`
- `-testintersect`
`SELECT first_name, last_name FROM actor INTERSECT SELECT first_name, last_name FROM customer;`
- `-testexcept`
`SELECT first_name, last_name FROM actor EXCEPT SELECT first_name, last_name FROM customer;`

The Results 1 pane shows the output of the last query, displaying a list of names from the rental table:

id	first_name	last_name
1	Minnie	Kilmer
2	Renee	Ball
3	Thora	Temple
4	Burt	Dukakis
5	Liza	Bergman
6	Sidney	Crowe
7	Angelina	Astaire
8	Ed	Mansfield
9	Ray	Johansson
10	Laura	Brody
11	Michelle	McConaughey
12	Frances	Dav-Lewis

Test count



The screenshot shows the DBeaver 24.1.2 interface with a SQL script editor. The script contains several test queries:

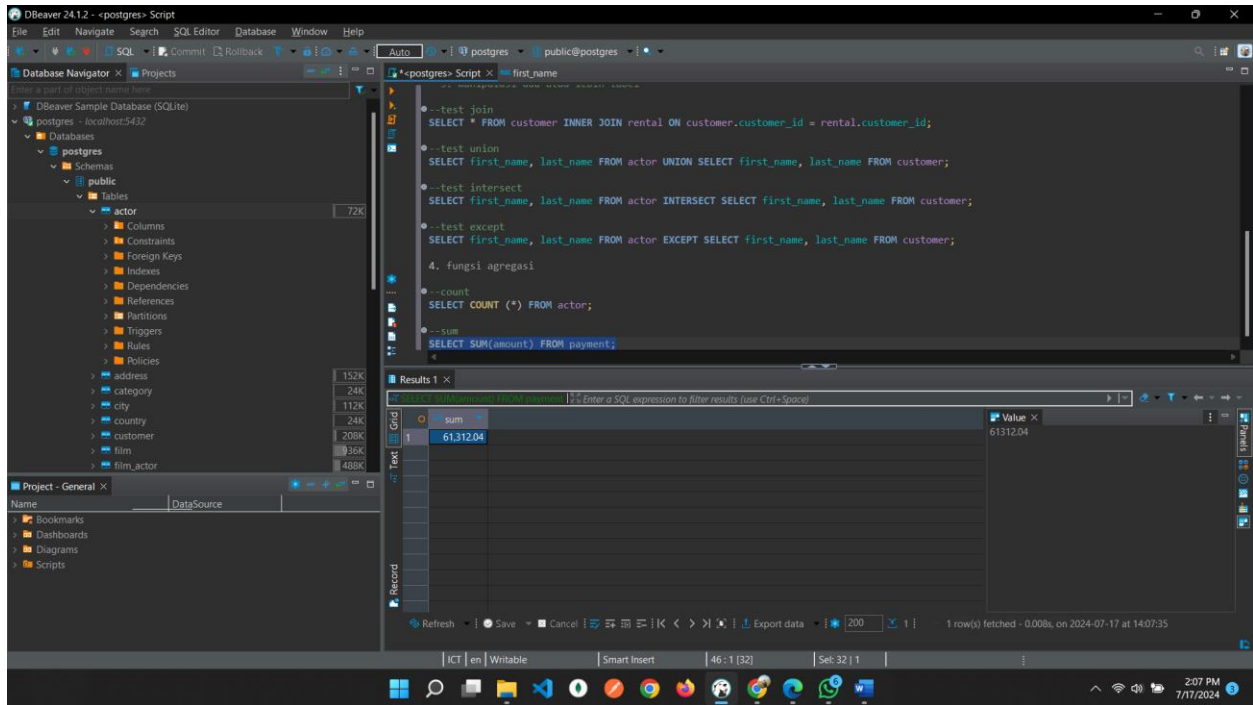
- `3. manipulasi dua atau lebih tabel`
- `-testjoin`
`SELECT * FROM customer INNER JOIN rental ON customer.customer_id = rental.customer_id;`
- `-testunion`
`SELECT first_name, last_name FROM actor UNION SELECT first_name, last_name FROM customer;`
- `-testintersect`
`SELECT first_name, last_name FROM actor INTERSECT SELECT first_name, last_name FROM customer;`
- `-testexcept`
`SELECT first_name, last_name FROM actor EXCEPT SELECT first_name, last_name FROM customer;`
- `4. fungsi agregasi`
- `-testcount`
`SELECT COUNT (*) FROM actor;`

The Results 1 pane shows the output of the last query, displaying a single row with the count value 201:

count
201

A tooltip message is visible: "Column: first_name: varchar(45) Read-only: No corresponding table column".

Test sum



The screenshot shows the DBeaver 24.1.2 interface with a PostgreSQL database. The SQL Editor contains the following script:

```
--test join
SELECT * FROM customer INNER JOIN rental ON customer.customer_id = rental.customer_id;

--test union
SELECT first_name, last_name FROM actor UNION SELECT first_name, last_name FROM customer;

--test intersect
SELECT first_name, last_name FROM actor INTERSECT SELECT first_name, last_name FROM customer;

--test except
SELECT first_name, last_name FROM actor EXCEPT SELECT first_name, last_name FROM customer;

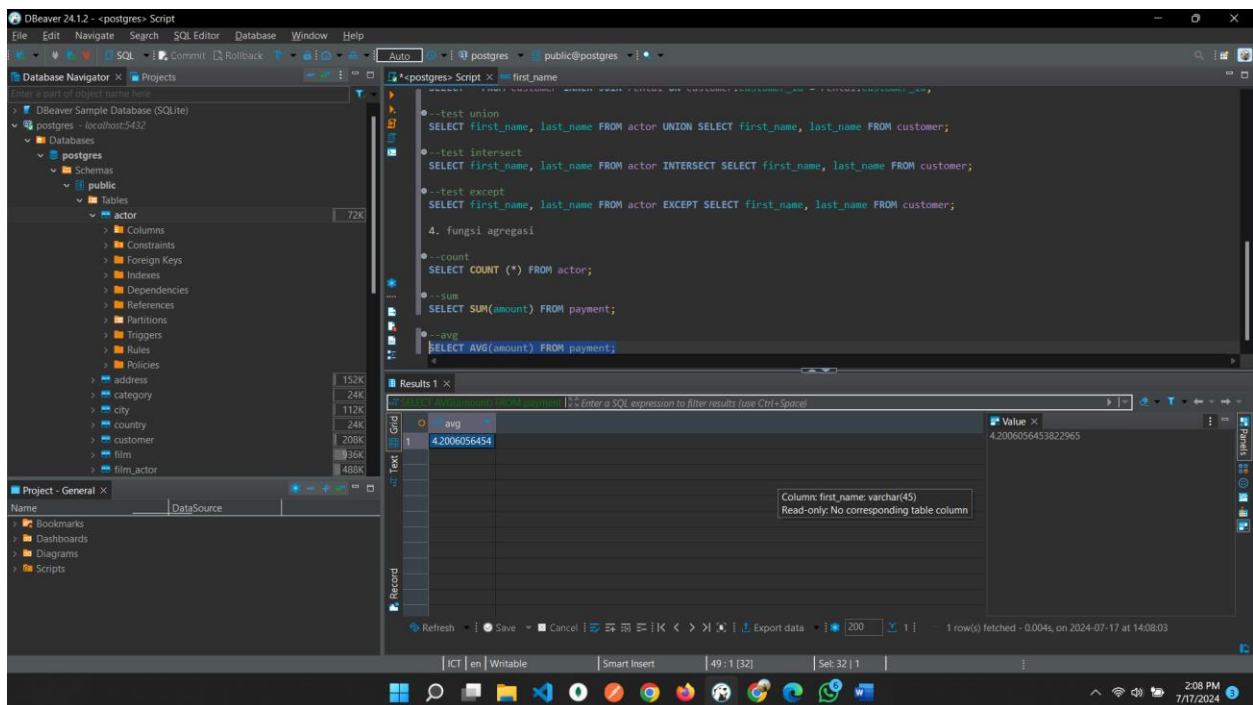
4. fungsi agregasi

--count
SELECT COUNT (*) FROM actor;

--sum
SELECT SUM(amount) FROM payment;
```

The Results pane displays the output of the last query, showing a single row with the sum of the 'amount' column from the 'payment' table, which is 61312.04.

Test avg



The screenshot shows the DBeaver 24.1.2 interface with a PostgreSQL database. The SQL Editor contains the following script:

```
--test union
SELECT first_name, last_name FROM actor UNION SELECT first_name, last_name FROM customer;

--test intersect
SELECT first_name, last_name FROM actor INTERSECT SELECT first_name, last_name FROM customer;

--test except
SELECT first_name, last_name FROM actor EXCEPT SELECT first_name, last_name FROM customer;

4. fungsi agregasi

--count
SELECT COUNT (*) FROM actor;

--sum
SELECT SUM(amount) FROM payment;

--avg
SELECT AVG(amount) FROM payment;
```

The Results pane displays the output of the last query, showing a single row with the average of the 'amount' column from the 'payment' table, which is 4.2006056454. A tooltip is visible over the result, indicating a column name error: "Column: first_name: varchar(45) Read-only: No corresponding table column".

Test max dan win

The screenshot displays the DBeaver 24.1.2 interface with a PostgreSQL database connection. The left sidebar shows the database structure, including the 'public' schema and tables like 'actor' and 'payment'. The main editor contains the following SQL queries:

```
--test intersect
SELECT first_name, last_name FROM actor INTERSECT SELECT first_name, last_name FROM customer;

--test except
SELECT first_name, last_name FROM actor EXCEPT SELECT first_name, last_name FROM customer;

4. fungsi agregasi

--count
SELECT COUNT (*) FROM actor;

--sum
SELECT SUM(amount) FROM payment;

--avg
SELECT AVG(amount) FROM payment;

--max dan min
SELECT MAX(amount), MIN(amount) FROM payment;
```

The 'Results' pane at the bottom shows the output of the last query, displaying a single row with the maximum and minimum values of the 'amount' column from the 'payment' table.

id	max	min
1	11.99	0

The status bar at the bottom indicates that 1 row(s) were fetched on 2024-07-17 at 14:08:59.