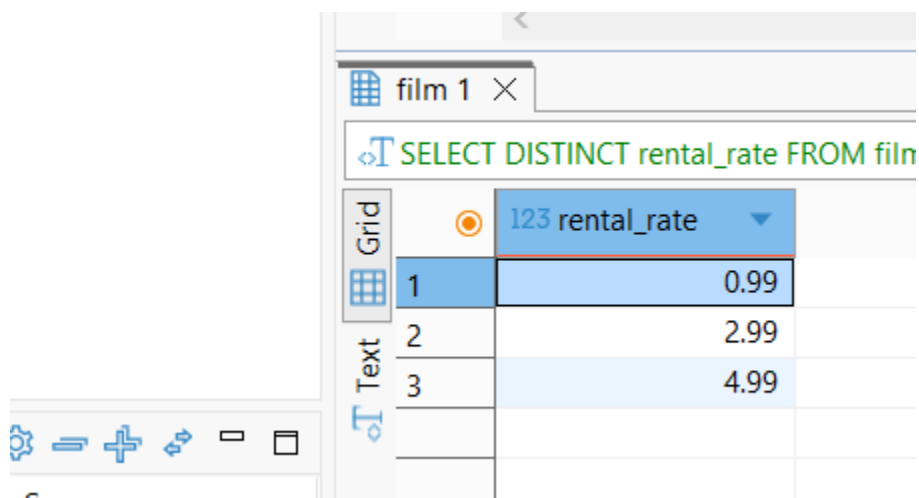


SQL Core - DQL - Remove duplicates, Expressions, and Calculations

```
1. SELECT DISTINCT rental_rate  
FROM film  
ORDER BY rental_rate
```

Izoh: bu kodda ijara narxlarini yagona qiymatlari chiqariladi va unilarni oshish tartibida tartiblanadi



The screenshot shows a database query editor with a tab labeled 'film 1'. The SQL query entered is 'SELECT DISTINCT rental_rate FROM film'. The results are displayed in a grid view with the following data:

	123 rental_rate
1	0.99
2	2.99
3	4.99

2.SELECT

```
title,  
rental_rate ,  
replacement_cost,  
replacement_cost * 1.3 AS total_cost
```

FROM film

WHERE rental_rate < 3

ORDER BY total_cost DESC

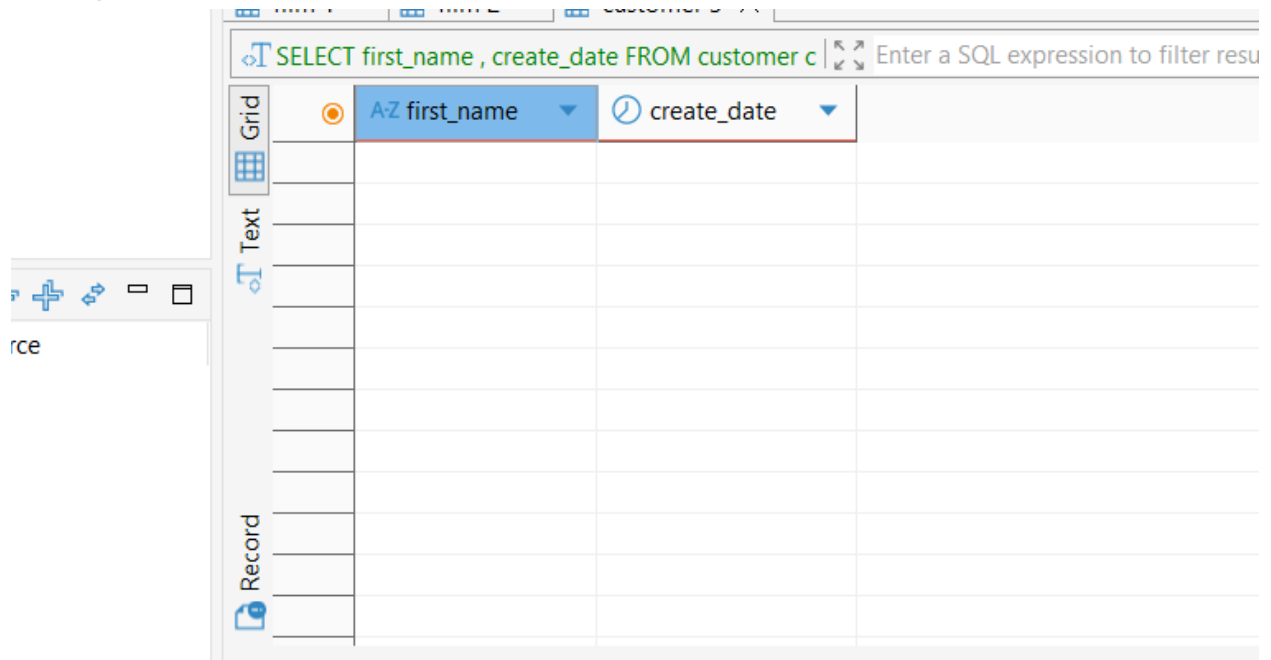
Izoh: bu kodda film narxlari faqat 3 dan kichiklari orasidagilardan filmlarining nomi va replacement_costlarini va reklama hisobiga oshish narxi ni chiqarib beradi va kamayish tartibida joylashtiriladi ,

SELECT title , rental_rate, replacement_cost, replac | Enter a SQL expression to filter results (use Ctrl+Space)

	AZ title	123 rental_rate	cost	123 total_cost
1	Blindness Gun	4.99	29.99	38.987
2	Virgin Daisy	4.99	29.99	38.987
3	Jingle Sagebrush	4.99	29.99	38.987
4	Lawless Vision	4.99	29.99	38.987
5	Poseidon Forever	4.99	29.99	38.987
6	West Lion	4.99	29.99	38.987
7	Right Cranes	4.99	29.99	38.987
8	Desperate Trainspotting	4.99	29.99	38.987
9	Slacker Liaisons	4.99	29.99	38.987
10	Wyoming Storm	4.99	29.99	38.987
11	Airplane Sierra	4.99	28.99	37.687
12	Command Darling	4.99	28.99	37.687

```
3, SELECT first_name , create_date  
FROM customer c  
WHERE create_date BETWEEN '2005-07-01' AND '2005-07-31'  
ORDER BY first_name  
LIMIT 20
```

Izoh: bu yerda mijozlarining ismni alifbo tartibida joylab chiqadi va dastlabki 20 ta chiqariladigan kod lekin berilgan sana oraligida hech kim royxatdan otmagan

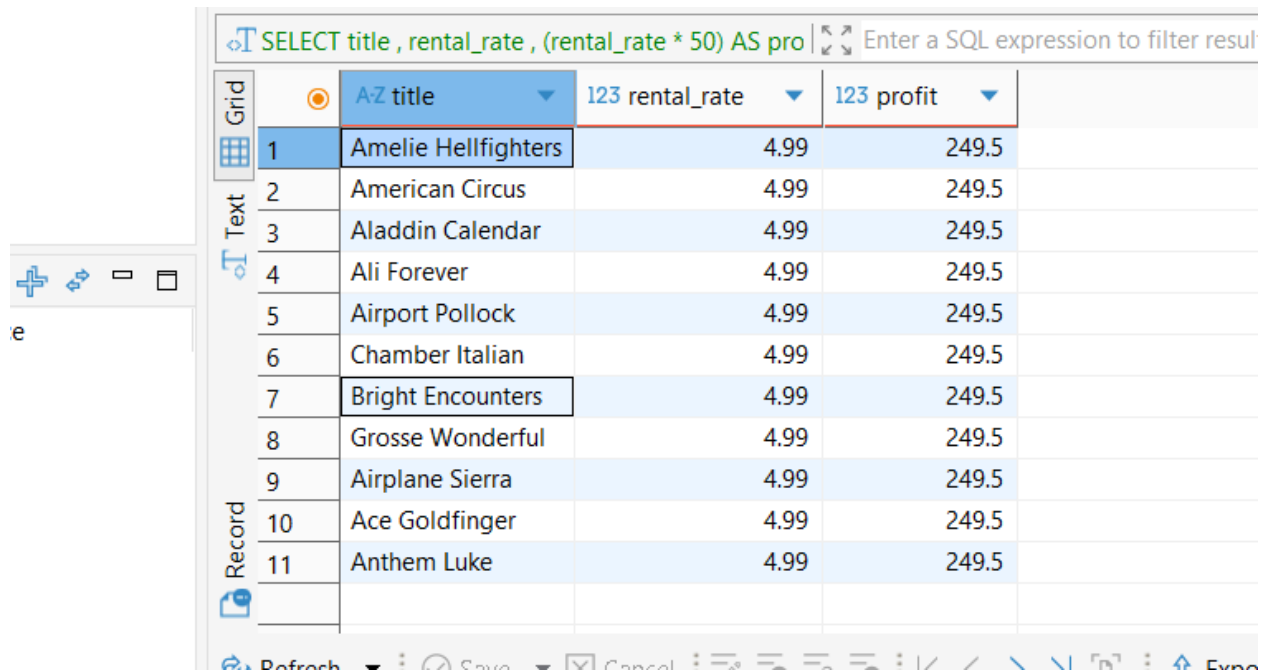


```

4. SELECT title , rental_rate , (rental_rate * 50) AS profit
FROM film
WHERE (rental_rate * 50) > 100
ORDER BY profit DESC
LIMIT 11

```

Izoh: bu kodda filmdan olinadigan tahminiy foydani hisoblanadi va undan 20 ta sotilgan deb hisoblanadi va umumiy summasi 100 dan baland bo'lganlarini boshidagi top 11 tasini chiqariladi



SQL Query: `SELECT title , rental_rate , (rental_rate * 50) AS profit`

	A-Z title	rental_rate	profit
1	Amelie Hellfighters	4.99	249.5
2	American Circus	4.99	249.5
3	Aladdin Calendar	4.99	249.5
4	Ali Forever	4.99	249.5
5	Airport Pollock	4.99	249.5
6	Chamber Italian	4.99	249.5
7	Bright Encounters	4.99	249.5
8	Grosse Wonderful	4.99	249.5
9	Airplane Sierra	4.99	249.5
10	Ace Goldfinger	4.99	249.5
11	Anthem Luke	4.99	249.5

```
5. SELECT payment_id , amount , amount * 1.1 AS total_with_tax
FROM payment
WHERE amount > 5
ORDER BY total_with_tax DESC
LIMIT 100
```

Izoh: bunda 5 dan yuqori tolov qilganlarni va unga qoshilgandagi soliqni qiymatini hisoblab dastlabki 100 tasi chiqariladi

SELECT payment_id , amount , amount * 1.1 AS total_with_tax | Enter a SQL expression to filter results

	123 payment_id	123 amount	123 total_with_tax
1	29,136		13.189
2	20,403		13.189
3	22,650	11.99	13.189
4	28,799	11.99	13.189
5	23,757	11.99	13.189
6	24,866	11.99	13.189
7	28,814	11.99	13.189
8	24,553	11.99	13.189
9	30,681	10.99	12.089
10	27,452	10.99	12.089
11	28,587	10.99	12.089
12	28,479	10.99	12.089

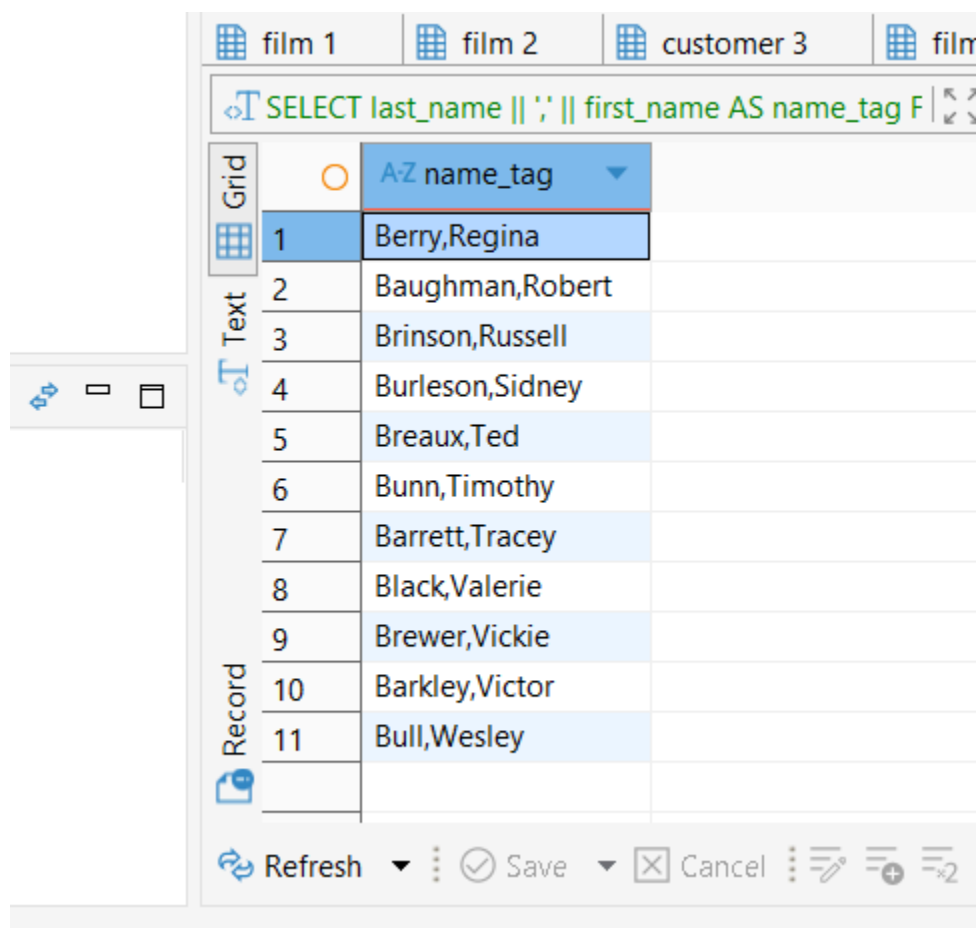
Refresh | Save | Cancel | | | | | Expo

```

6. SELECT last_name || ',' || first_name AS name_tag
FROM customer
WHERE last_name ILIKE 'B%'
ORDER BY first_name
LIMIT 11
OFFSET 44

```

Izoh: bunda first_name va last_nameni double bar bilan qoshib olilib keyin last_nameni B dan boshlanadigan va first_name boyicha alifbo taribida saralan 5 sahifasini chiqariladi (sahifa 11)



	A-Z name_tag
1	Berry, Regina
2	Baughman, Robert
3	Brinson, Russell
4	Burleson, Sidney
5	Breaux, Ted
6	Bunn, Timothy
7	Barrett, Tracey
8	Black, Valerie
9	Brewer, Vickie
10	Barkley, Victor
11	Bull, Wesley

7.SELECT

```
title || ' - $' || rental_rate AS full_info ,  
rental_rate * 1.15 AS new_rate  
FROM film  
WHERE rental_rate >= 4.0  
ORDER BY title
```

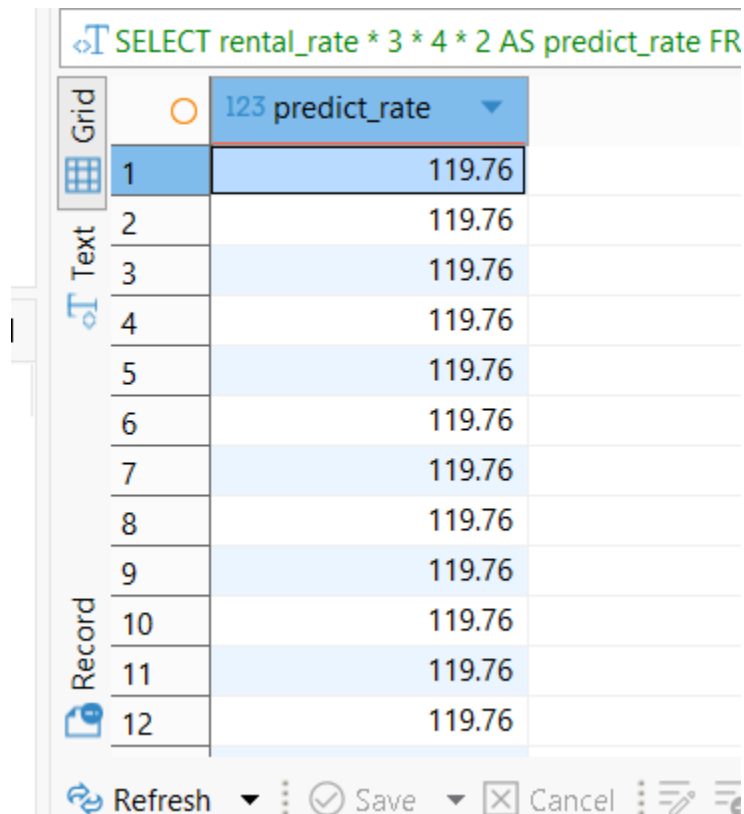
Izoh: bunda double bar bilan title va rental_rateni qoshib olayapmz va rate 4 dan katta yoki teng filmlar ichidan saralab olayapmz va nomi boyicha alifbo tartibida saralanadi reklama hisobiga 15 foiz oshgan narx alohida qilingan

	AZ full_info	123 new_rate
1	Ace Goldfinger - \$4.99	5.7385
2	Airplane Sierra - \$4.99	5.7385
3	Airport Pollock - \$4.99	5.7385
4	Aladdin Calendar - \$4.99	5.7385
5	Ali Forever - \$4.99	5.7385
6	Amelie Hellfighters - \$4.99	5.7385
7	American Circus - \$4.99	5.7385
8	Anthem Luke - \$4.99	5.7385
9	Apache Divine - \$4.99	5.7385
10	Apocalypse Flamingos - \$4.99	5.7385
11	Attacks Hate - \$4.99	5.7385
12	Attraction Newton - \$4.99	5.7385

8.SELECT

```
rental_rate * 3 * 4 * 2 AS predict_rate  
FROM film  
ORDER BY predict_rate DESC
```

Izoh: bu erda filmi tahminiy foydasi hisoblanga 3 oyda haftasiga 2 marta sotib olingan qilinadigan foyda



	123 predict_rate
1	119.76
2	119.76
3	119.76
4	119.76
5	119.76
6	119.76
7	119.76
8	119.76
9	119.76
10	119.76
11	119.76
12	119.76

Refresh Save Cancel

9.SELECT

```
title ,  
rental_rate,  
rental_rate - rental_rate * 0.2 AS discount_price  
FROM film  
WHERE (rental_rate - rental_rate * 0.2) > 2  
ORDER BY discount_price
```

Izoh: bu kodda filmlarga chegirma berilganda ularning narxi qanday bolinishi krsatadi lekin chegirmada film narxi 2 dan past bolsa unga chegirma berilmaydi

SELECT title , rental_rate, rental_rate - rental_rate * 0.2 AS discount_price				
Grid	A-Z title	123 rental_rate	123 discount_price	
Text Record	1	Divide Monster	2.99	2.392
	2	Adaptation Holes	2.99	2.392
	3	Affair Prejudice	2.99	2.392
	4	African Egg	2.99	2.392
	5	Agent Truman	2.99	2.392
	6	Alabama Devil	2.99	2.392
	7	Alien Center	2.99	2.392
	8	Alley Evolution	2.99	2.392
	9	Amistad Midsummer	2.99	2.392
	10	Analyze Hoosiers	2.99	2.392
	11	Angels Life	2.99	2.392
	12	Antitrust Tomatoes	2.99	2.392
Refresh Save Cancel				

10.SELECT

```
title ,
film_id ,
replacement_cost,
rental_rate,
round( rental_rate / replacement_cost , 2) AS profit_ratio
FROM film
ORDER BY profit_ratio
LIMIT 10
```

Izoh:bu yerda filmdan qanday darajadia foyda olayotganimizni korsatamiz

		AZ title	123 film_id	123 replacement_cost	123 rental_rate	123 profit_ratio	
1		Cruelty Unforgiven	196	29.99	0.99	0.03	
2		Everyone Craft	290	29.99	0.99	0.03	
3		Clockwork Paradise	157	29.99	0.99	0.03	
4		Clyde Theory	163	29.99	0.99	0.03	
5		Double Wrath	245	28.99	0.99	0.03	
6		Earth Vision	270	29.99	0.99	0.03	
7		Bonnie Holocaust	85	29.99	0.99	0.03	
8		Arabia Dogma	34	29.99	0.99	0.03	
9		Ballroom Mockingbird	52	29.99	0.99	0.03	
10		Feud Frogmen	309	29.99	0.99	0.03	

11. SELECT

```
title,  
rental_rate,  
6 AS quantity,  
rental_rate * 6 AS total_price,  
rental_rate * 6 - ((rental_rate * 6 - 20) * 0.1) * ((rental_rate * 6) > 20)::int AS discounted_total_price  
FROM film;
```

Izoh; bu kodda filmning 20 dan qimmatga sotilsa va qancha kop bolsa yani 20 oshgan har bir dolloriga 10 foiz chegirma qilib beriladi Agar 20 dan past bolsa unda unga chegirma berilmaydi

SQL: SELECT title, rental_rate, 6 AS quantity, rental_rate * 6 AS total_price, rental_rate * 6 - ((rental_rate * 6 - 20) * 0.1) * ((rental_rate * 6) > 20)::int AS discounted_total_price

Enter a SQL expression to filter results (use Ctrl+Space)

	AZ title	123 rental_rate	123 quantity	123 total_price	123 discounted_total_price
1	Chamber Italia		6	29.94	28.946
2	Grosse Wonde		6	29.94	28.946
3	Airport Pollock	4.99	6	29.94	28.946
4	Bright Encounters	4.99	6	29.94	28.946
5	Academy Dinosaur	0.99	6	5.94	5.94
6	Ace Goldfinger	4.99	6	29.94	28.946
7	Adaptation Holes	2.99	6	17.94	17.94
8	Affair Prejudice	2.99	6	17.94	17.94
9	African Egg	2.99	6	17.94	17.94
10	Agent Truman	2.99	6	17.94	17.94
11	Airplane Sierra	4.99	6	29.94	28.946
12	Alabama Devil	2.99	6	17.94	17.94

Refresh Save Cancel Export data 200 200+ 200 row(s) fetched - 0.002