

- Вывести все уникальные бренды, у которых стандартная стоимость выше 1500 долларов.

```
SELECT DISTINCT brand
FROM transaction
WHERE standard_cost > 1500;
```

transaction 1 ×

SELECT DISTINCT brand FROM transaction WHERE standard\_cost > 1500;

brand
OHM Cycles
Trek Bicycles
Solex
Giant Bicycles

- Вывести все подтвержденные транзакции за период '2017-04-01' по '2017-04-09' включительно.

```
SELECT *
FROM transaction
WHERE order_status = 'Approved'
AND transaction_date BETWEEN '2017-04-01' AND '2017-04-09';
```

transaction 1 ×

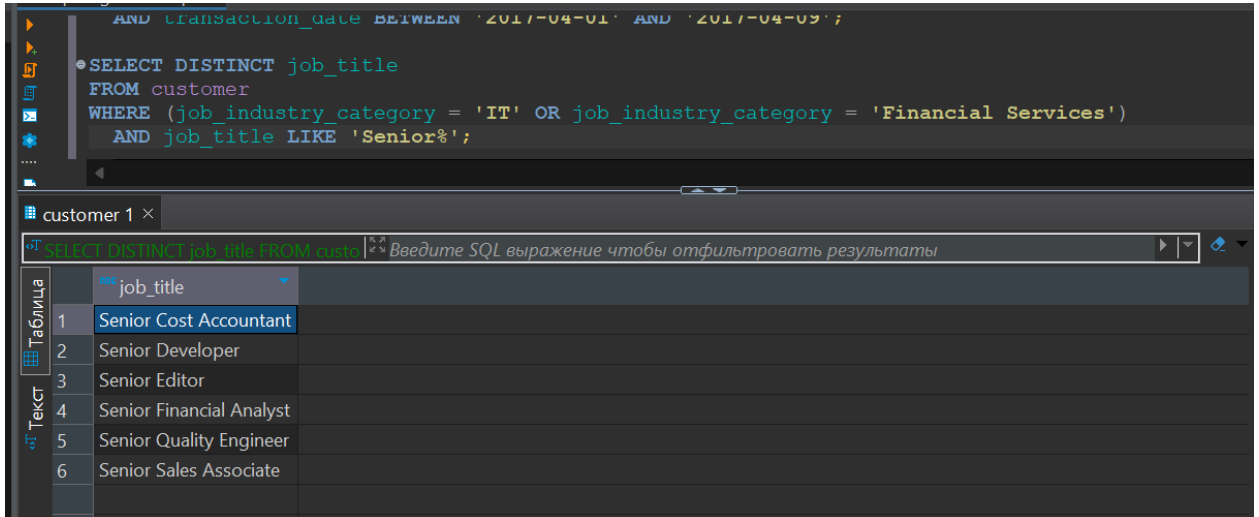
SELECT \* FROM transaction WHERE order\_status = 'Approved' AND transaction\_date BETWEEN '2017-04-01' AND '2017-04-09';

transaction_id	product_id	customer_id	transaction_date	online_order	order_status	brand
17	79	2 426	2017-04-03	[ ]	Approved	Norco Bicy
19	54	2 268	2017-04-06	[v]	Approved	WeareA2B
23	37	2 001	2017-04-08	[v]	Approved	OHM Cycle
83	0	3 398	2017-04-01	[v]	Approved	OHM Cycle
89	0	2 682	2017-04-04	[v]	Approved	OHM Cycle
126	53	773	2017-04-01	[ ]	Approved	OHM Cycle
146	41	3 261	2017-04-06	[v]	Approved	Solex
154	3	3 383	2017-04-06	[v]	Approved	Trek Bicycle
220	10	1 502	2017-04-09	[v]	Approved	WeareA2B
228	13	821	2017-04-04	[v]	Approved	Solex
280	93	2 487	2017-04-08	[ ]	Approved	WeareA2B
290	55	624	2017-04-05	[v]	Approved	Trek Bicycle
304	12	2 745	2017-04-07	[ ]	Approved	WeareA2B
526	20	827	2017-04-02	[v]	Approved	Trek Bicycle
534	14	1 517	2017-04-08	[ ]	Approved	Trek Bicycle
563	97	3 071	2017-04-05	[ ]	Approved	Solex
669	68	3 420	2017-04-07	[ ]	Approved	OHM Cycle

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- Вывести все профессии у клиентов из сферы IT или Financial Services, которые начинаются с фразы 'Senior'.

```
SELECT DISTINCT job_title
FROM customer
WHERE (job_industry_category = 'IT' OR job_industry_category = 'Financial Services')
AND job_title LIKE 'Senior%';
```



The screenshot shows a SQL IDE with the following query in the editor:

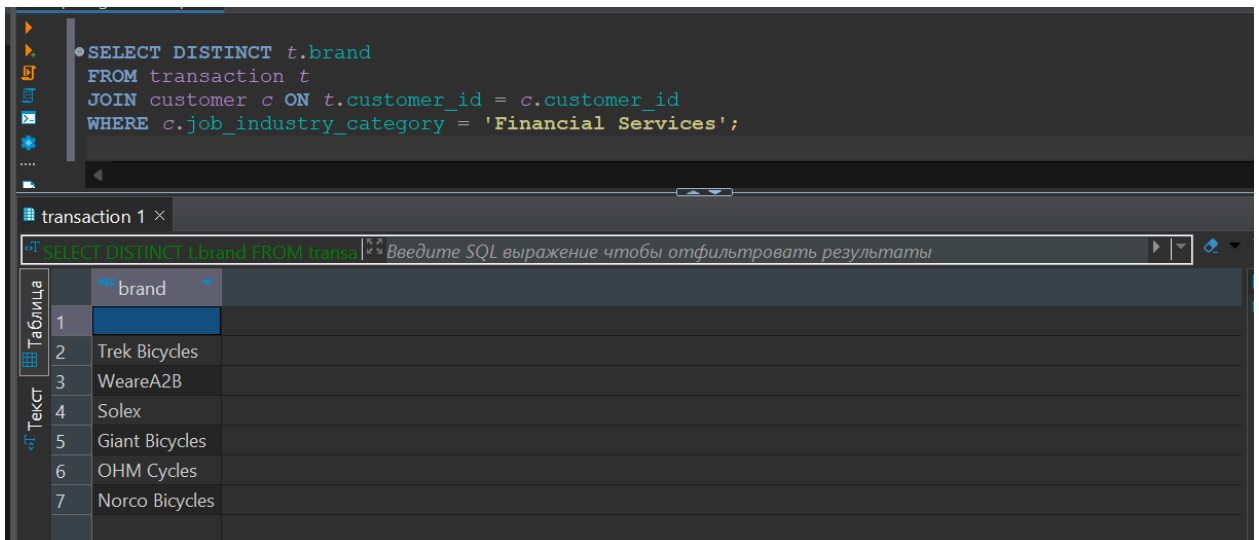
```
AND transaction_date BETWEEN '2017-04-01' AND '2017-04-09';
SELECT DISTINCT job_title
FROM customer
WHERE (job_industry_category = 'IT' OR job_industry_category = 'Financial Services')
AND job_title LIKE 'Senior%';
```

The results are displayed in a table titled "customer 1 x". The table has two columns: "job\_title" and an empty column. The results are as follows:

job_title	
Senior Cost Accountant	
Senior Developer	
Senior Editor	
Senior Financial Analyst	
Senior Quality Engineer	
Senior Sales Associate	

- Вывести все бренды, которые покупают клиенты, работающие в сфере Financial Services

```
SELECT DISTINCT t.brand
FROM transaction t
JOIN customer c ON t.customer_id = c.customer_id
WHERE c.job_industry_category = 'Financial Services';
```



The screenshot shows a SQL IDE with the following query in the editor:

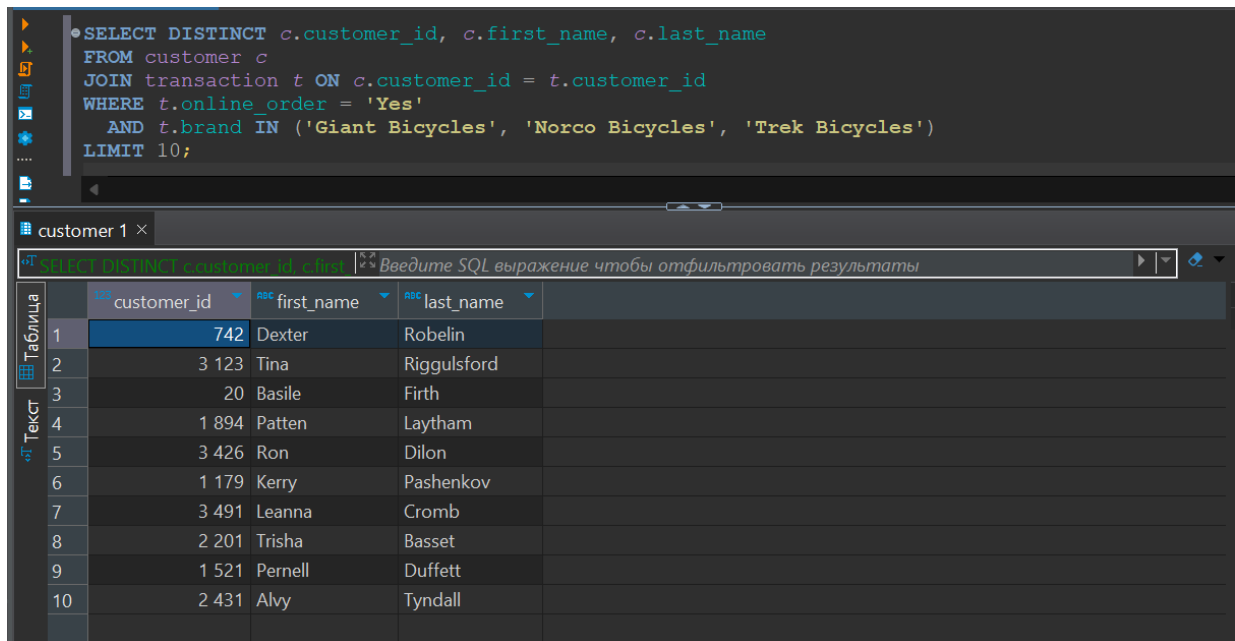
```
SELECT DISTINCT t.brand
FROM transaction t
JOIN customer c ON t.customer_id = c.customer_id
WHERE c.job_industry_category = 'Financial Services';
```

The results are displayed in a table titled "transaction 1 x". The table has two columns: "brand" and an empty column. The results are as follows:

brand	
Trek Bicycles	
WeareA2B	
Solex	
Giant Bicycles	
OHM Cycles	
Norco Bicycles	

- Вывести 10 клиентов, которые оформили онлайн-заказ продукции из брендов 'Giant Bicycles', 'Norco Bicycles', 'Trek Bicycles'.

```
SELECT DISTINCT c.customer_id, c.first_name, c.last_name
FROM customer c
JOIN transaction t ON c.customer_id = t.customer_id
WHERE t.online_order = 'Yes'
      AND t.brand IN ('Giant Bicycles', 'Norco Bicycles', 'Trek Bicycles')
LIMIT 10;
```

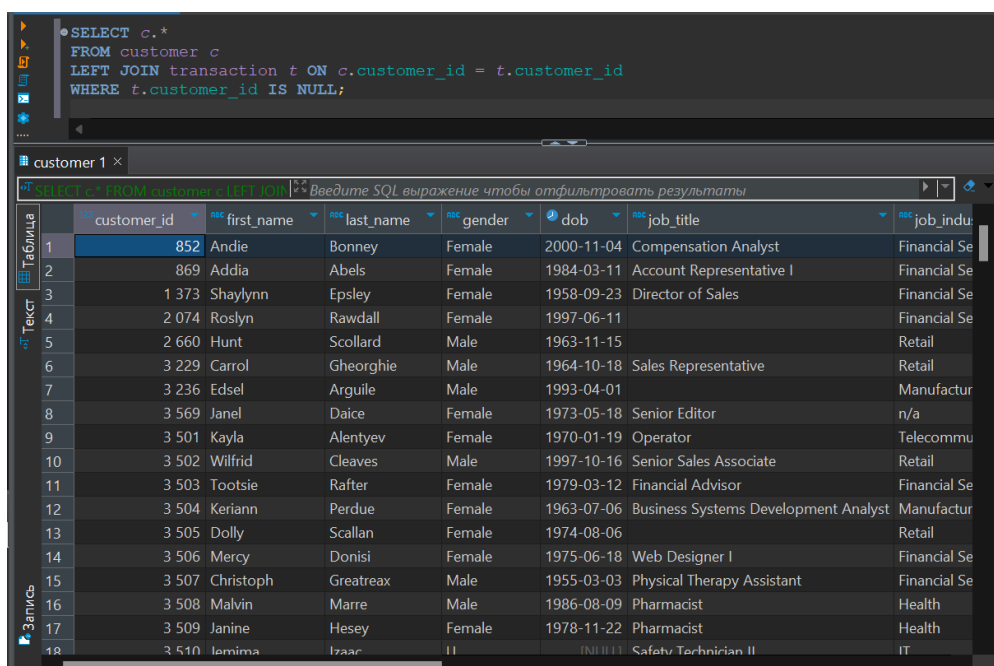


The screenshot shows a SQL IDE with the query executed. The results are displayed in a table with 10 rows and 3 columns: customer\_id, first\_name, and last\_name.

	customer_id	first_name	last_name
1	742	Dexter	Robelin
2	3 123	Tina	Riggulfsford
3	20	Basile	Firth
4	1 894	Patten	Laytham
5	3 426	Ron	Dilon
6	1 179	Kerry	Pashenkov
7	3 491	Leanna	Cromb
8	2 201	Trisha	Basset
9	1 521	Pernell	Duffett
10	2 431	Alvy	Tyndall

- Вывести всех клиентов, у которых нет транзакций.

```
SELECT c.*
FROM customer c
LEFT JOIN transaction t ON c.customer_id = t.customer_id
WHERE t.customer_id IS NULL;
```

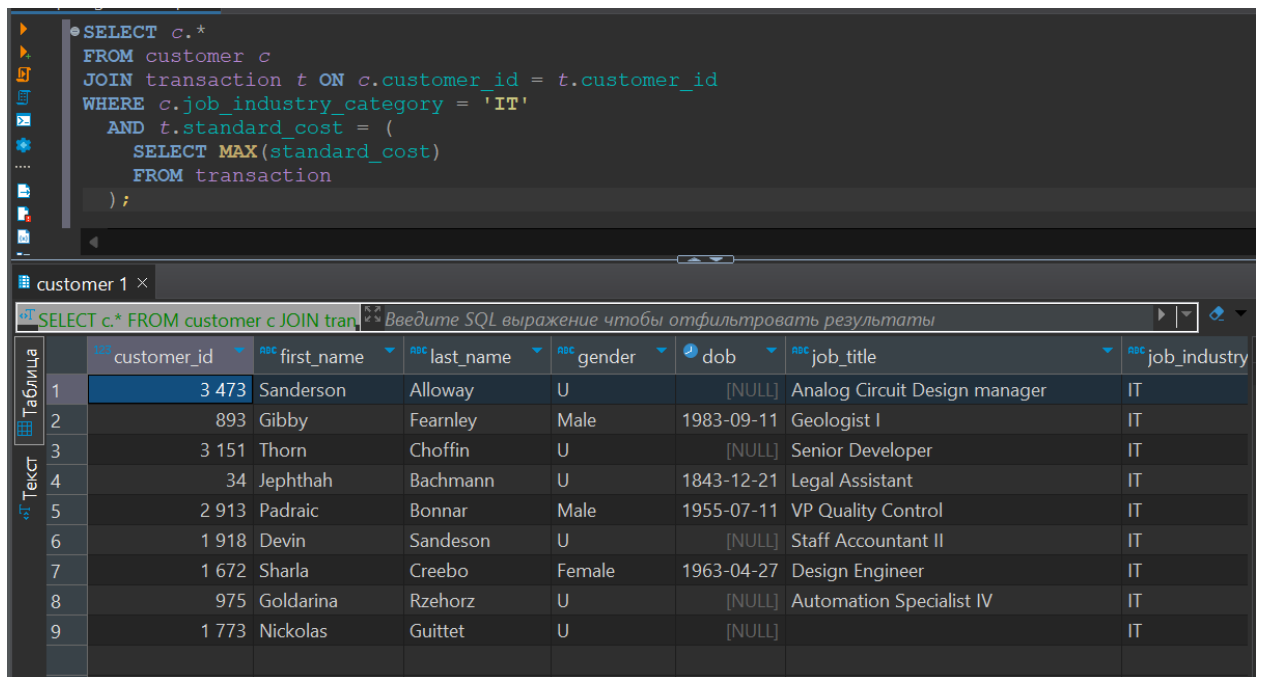


The screenshot shows a SQL IDE with the query executed. The results are displayed in a table with 18 rows and 8 columns: customer\_id, first\_name, last\_name, gender, dob, job\_title, and job\_indu.

	customer_id	first_name	last_name	gender	dob	job_title	job_indu
1	852	Andie	Bonney	Female	2000-11-04	Compensation Analyst	Financial Se
2	869	Addia	Abels	Female	1984-03-11	Account Representative I	Financial Se
3	1 373	Shaylynn	Epsley	Female	1958-09-23	Director of Sales	Financial Se
4	2 074	Roslyn	Rawdall	Female	1997-06-11		Financial Se
5	2 660	Hunt	Scollard	Male	1963-11-15		Retail
6	3 229	Carrol	Gheorghie	Male	1964-10-18	Sales Representative	Retail
7	3 236	Edsel	Arguille	Male	1993-04-01		Manufactur
8	3 569	Janel	Daice	Female	1973-05-18	Senior Editor	n/a
9	3 501	Kayla	Alentyev	Female	1970-01-19	Operator	Telecommu
10	3 502	Wilfrid	Cleaves	Male	1997-10-16	Senior Sales Associate	Retail
11	3 503	Tootsie	Rafter	Female	1979-03-12	Financial Advisor	Financial Se
12	3 504	Kerriann	Perdue	Female	1963-07-06	Business Systems Development Analyst	Manufactur
13	3 505	Dolly	Scallan	Female	1974-08-06		Retail
14	3 506	Mercy	Donisi	Female	1975-06-18	Web Designer I	Financial Se
15	3 507	Christoph	Greatreax	Male	1955-03-03	Physical Therapy Assistant	Financial Se
16	3 508	Malvin	Marre	Male	1986-08-09	Pharmacist	Health
17	3 509	Janine	Hesey	Female	1978-11-22	Pharmacist	Health
18	3 510	Iemima	Izaac	II	(NULL)	Safety Technician II	IT

- Вывести всех клиентов из IT, у которых транзакции с максимальной стандартной стоимостью.

```
SELECT c.*
FROM customer c
JOIN transaction t ON c.customer_id = t.customer_id
WHERE c.job_industry_category = 'IT'
      AND t.standard_cost = (
        SELECT MAX(standard_cost)
        FROM transaction
      );
```



The screenshot shows a SQL IDE interface. The top pane contains the SQL query. The bottom pane shows the results in a table view. The table has 9 rows and 8 columns: customer\_id, first\_name, last\_name, gender, dob, job\_title, and job\_industry. The results are filtered to show only IT-related customers with the highest standard cost.

	customer_id	first_name	last_name	gender	dob	job_title	job_industry
1	3 473	Sanderson	Alloway	U	[NULL]	Analog Circuit Design manager	IT
2	893	Gibby	Fearnley	Male	1983-09-11	Geologist I	IT
3	3 151	Thorn	Choffin	U	[NULL]	Senior Developer	IT
4	34	Jephthah	Bachmann	U	1843-12-21	Legal Assistant	IT
5	2 913	Padraic	Bonnar	Male	1955-07-11	VP Quality Control	IT
6	1 918	Devin	Sandeson	U	[NULL]	Staff Accountant II	IT
7	1 672	Sharla	Creebo	Female	1963-04-27	Design Engineer	IT
8	975	Goldarina	Rzehorz	U	[NULL]	Automation Specialist IV	IT
9	1 773	Nickolas	Guittet	U	[NULL]		IT

- Вывести всех клиентов из сферы IT и Health, у которых есть подтвержденные транзакции за период '2017-07-07' по '2017-07-17'.

```
SELECT DISTINCT c.*
FROM customer c
JOIN transaction t ON c.customer_id = t.customer_id
WHERE (c.job_industry_category = 'IT' OR c.job_industry_category =
'Health')
      AND t.order_status = 'Approved'
      AND t.transaction_date BETWEEN '2017-07-07' AND '2017-07-17';
```

```
SELECT DISTINCT c.*
FROM customer c
JOIN transaction t ON c.customer_id = t.customer_id
WHERE (c.job_industry_category = 'IT' OR c.job_industry_category = 'Health')
      AND t.order_status = 'Approved'
      AND t.transaction_date BETWEEN '2017-07-07' AND '2017-07-17';
```

customer 1 x

	customer_id	first_name	last_name	gender	dob	job_title	job_indu
1	22	DeeAnne	Durtnell	Female	1962-12-10		IT
2	28	Fee	Zellmer	Male	1973-09-30	Senior Quality Engineer	Health
3	41	Basilius	Coupe	Male	1976-04-14	Food Chemist	Health
4	47	Matthew	Jeycock	Male	1992-10-22	Registered Nurse	Health
5	104	Odille	Panketh	Female	1978-06-06	Automation Specialist II	Health
6	235	Leona	Phateplace	Female	1976-12-26	Social Worker	Health
7	239	Wells	Pressman	Male	1992-12-13	Registered Nurse	Health
8	249	D'arcy	Slay	Male	1992-09-13	Quality Control Specialist	IT
9	289	Modestia	Lithgow	Female	1970-04-12	Clinical Specialist	Health
10	290	Giorgio	Kevane	U	[NULL]	Senior Sales Associate	IT
11	300	Malachi	Hadcroft	Male	1956-06-22	Clinical Specialist	Health
12	320	Aldous	Cubin	Male	1997-02-09	Registered Nurse	Health
13	331	Ford	Groucock	Male	1998-09-23	Desktop Support Technician	Health
14	338	Hilliary	Littrell	Female	1958-03-14		Health
15	350	Carmela	Jesper	Female	1977-12-09	Clinical Specialist	Health
16	382	Issiah	Fardell	Male	1985-08-14	Research Nurse	Health
17	414	Theris	Grimaldus	Male	1976-07-16	Social Worker	Health