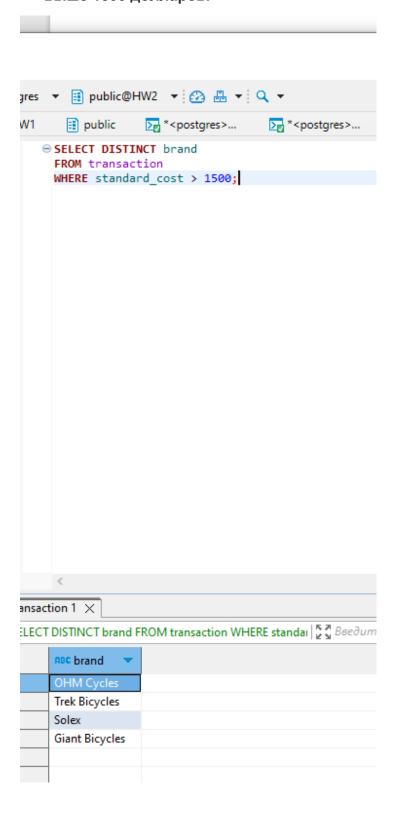
Домашние задание 2

Гриднев К.А.

1. Создать таблицы со следующими структурами и загрузить данные из csv-файлов. Детали приведены ниже.

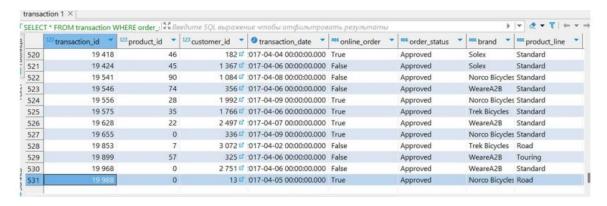
```
CREATE TABLE customer (
customer_id int4
first name varchar(50)
,last_name varchar(50)
,gender varchar(30)
,DOB varchar(50)
,job title varchar(50)
,job_industry_category varchar(50)
wealth segment varchar(50)
,deceased_indicator varchar(50)
owns car varchar(30)
,address varchar(50)
,postcode varchar(30)
,state varchar(30)
,country varchar(30)
,property_valuation int4
,UNIQUE("customer_id")
CREATE TABLE transaction (
transaction id int4
.product id int4
customer id int4
,transaction_date varchar(30)
online order varchar(30)
,order_status varchar(30)
,brand varchar(30)
,product_line varchar(30)
,product_class varchar(30)
,product_size varchar(30)
,list price float4
,standard_cost float4
,UNIQUE("transaction_id")
,FOREIGN KEY ("customer_id") REFERENCES customer("customer_id")
```

2. Выполнить следующие запросы: Вывести все уникальные бренды, у которых стандартная стоимость выше 1500 долларов.



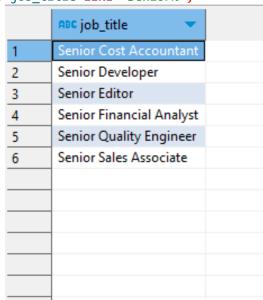
Вывести все подтвержденные транзакции за период '2017-04-01' по '2017-04-09' включительно.

```
SELECT *
FROM transaction
WHERE order_status = 'Approved'
AND transaction_date >= '2017-04-01'
AND transaction_date <= '2017-04-09'</pre>
```



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 IN ('IT', 'Financial Services')
AND job_title LIKE 'Senior%';
```



Вывести все бренды, которые закупают клиенты, работающие в сфере Financial Services

```
SELECT DISTINCT brand
FROM customer
JOIN transaction ON customer.customer_id = transaction.customer_id
WHERE customer.job_industry_category = 'Financial Services';
```

_		
1		
2	Trek Bicycles	
3	WeareA2B	
4	Solex	
5	Giant Bicycles	
6	OHM Cycles	
7	Norco Bicycles	
	3 4 5	3 WeareA2B 4 Solex 5 Giant Bicycles 6 OHM Cycles

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

```
SELECT customer.customer_id, customer.first_name, customer.last_name
FROM customer
JOIN transaction ON customer.customer_id = transaction.customer_id
WHERE transaction.online_order = 'True'
AND transaction.brand IN ('Giant Bicycles', 'Norco Bicycles', 'Trek
Bicycles')
LIMIT 10;
```

customer 1 ×					
Γ	SELECT	customer.customer_id,	customer.first_name, c	ust(🖔 🛪 Введите SQ.	
		123 customer_id 🔻	ABC first_name 🔻	ABC last_name 🔻	
	1	787	Norma	Batrim	
,	2	2 339	Damien	Haddeston	
3	3	3 002	Tracey	Verdun	
	4	3 368	Tanya	Boddis	
	5	2 810	Malvin	Burchill	
	6	2 448	Lorri	Iston	
	7	2 294	Skipton	Cordie	
	8	1 824	Robbie	Yakubovics	
	9	825	Willis	Whyler	
	10	1 498	Janot	McGougan	

Вывести всех клиентов, у которых нет транзакций.

SELECT *
FROM customer
WHERE customer_id NOT IN (SELECT DISTINCT customer_id FROM transaction);

| Selection | Sel

	123 customer_id 🔻	ABC first_name 🔻	ABC last_name	ABC gender 🔻	asc dob ▼	ABC job_title	ABC job_ind
493	3 985	Caryn	Padbury	Female	1998-06-21	Web Developer IV	Property
494	3 986	Oralle	Petrello	Female	1976-12-01	Social Worker	Health
495	3 987	Beckie	Wakeham	Female	1964-05-29		Argiculture
496	3 988	Ammamaria	Ashburne	Female	1994-07-14	Automation Specialist IV	Health
497	3 989	Nicolas	Burdass	Male	1999-06-23	Environmental Specialist	Argiculture
498	3 990	Reynard	Hagger	Male	1998-03-05	Desktop Support Technician	Health
499	3 991	Rolph	Sweetnam	Male	1985-08-06	Chief Design Engineer	Manufactui
500	3 992	Germain	Tireman	Male	1980-04-02	Database Administrator IV	Manufactui
501	3 993	Andi	Dumelow	Female	1974-12-05	Librarian	Entertainme
502	3 994	Stephie	Byars	Female	1989-04-07	Structural Analysis Engineer	Manufactui
503	3 995	Rusty	lapico	Male	1975-12-12	Staff Scientist	Manufactui
504	3 996	Rosalia	Halgarth	Female	1975-08-09	VP Product Management	Health
505	3 997	Blanch	Nisuis	Female	2001-07-13	Statistician II	Manufactui
506	3 998	Sarene	Woolley	U		Assistant Manager	IT
507	3 999	Patrizius		Male	1973-10-24		Manufactui
508	4 000	Кірру	Oldland	Male	1991-11-05	Software Engineer IV	n/a

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

```
SELECT customer.customer_id, customer.first_name, customer.last_name
FROM customer
INNER JOIN transaction ON customer.customer_id =
transaction.customer_id
WHERE customer.job_industry_category = 'IT'
AND transaction.standard_cost = (
    SELECT MAX(standard_cost)
    FROM transaction
)
```

ща		123 customer_id 🔻	ABC first_name 🔻	ABC last_name 🔻
] таблица	1	3 473	Sanderson	Alloway
	2	893	Gibby	Fearnley
	3	3 151	Thorn	Choffin
H	4	34	Jephthah	Bachmann
EKCT	5	2 913	Padraic	Bonnar
긓	6	1 918	Devin	Sandeson
Ť	7	1 672	Sharla	Creebo
	8	975	Goldarina	Rzehorz
	9	1 773	Nickolas	Guittet

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

```
SELECT customer.customer_id, customer.first_name, customer.last_name
FROM customer
INNER JOIN transaction ON customer.customer_id =
transaction.customer_id
WHERE customer.job_industry_category IN ('IT', 'Health')
AND transaction.order_status = 'Approved'
AND transaction.transaction_date >= '2017-07-07'
AND transaction.transaction_date <= '2017-07-17';</pre>
```

	123 customer_id	asc first_name	ast_name *
115	3 360	Joelie	Sherlaw
116	722	Stewart	Brosoli
117	526	Ardelle	
118	1 683	Brenn	Bacon
119	3 365	Karlens	Chaffyn
120	1 174	Shellysheldon	Gooderridge
121	1 044	Frederico	Whilder
122	1 862	Daron	Umpleby
123	712	Norine	Antonik
124	2 442	Odie	Enrrico