Задание 1.

```sql
select p.brand, sum(oi.quantity) as total_sales
from product p
join order_items oi on p.product_id = oi.product_id
where p.standard_cost > 1500
group by p.brand
having sum(oi.quantity) >= 1000
order by total_sales desc;
```

roduct 1 ✕

ELECT p.brand, SUM(oi.quantity) as total_sales FROM pro   Введите SQL выражение чтобы отфильтровать результаты

| | brand | total_sales |
|---|---|---|
| 1 | Trek Bicycles | 3 303 |
| 2 | Giant Bicycles | 1 932 |
| 3 | OHM Cycles | 1 857 |
| 4 | Solex | 1 757 |

Задание 2.

```sql
select order_date, count(order_id) as order_count, count(distinct customer_id) as unique_customers
from orders
where order_date between '2017-04-01' and '2017-04-09'
and online_order = true
and order_status = 'Approved'
group by order_date;
```

orders 1 ✕

select order_date, count(order_id) as order_count, count(d   Введите SQL выражение чтобы отфильтровать результаты

| | order_date | order_count | unique_customers |
|---|---|---|---|
| 1 | 2017-04-01 | 37 | 37 |
| 2 | 2017-04-02 | 29 | 29 |
| 3 | 2017-04-03 | 27 | 27 |
| 4 | 2017-04-04 | 32 | 32 |
| 5 | 2017-04-05 | 33 | 32 |
| 6 | 2017-04-06 | 36 | 36 |
| 7 | 2017-04-07 | 24 | 24 |
| 8 | 2017-04-08 | 33 | 33 |
| 9 | 2017-04-09 | 30 | 30 |

Задание 3.

```sql
select job_title from customer where job_industry_category = 'IT' and job_title like 'Senior%' and date_part('year', age(current_date, to_date("DOB", 'YYYY-MM-DD'))) > 35
union all
select job_title from customer where job_industry_category = 'Financial Services' and job_title like 'Lead%'and date_part('year', age(current_date, to_date("DOB", 'YYYY-MM-DD')))
```

Результат 1

select job_title from customer where job_industry_categor

| | job_title |
|---|---|
| 1 | Senior Sales Associate |
| 2 | Senior Developer |
| 3 | Senior Sales Associate |
| 4 | Senior Developer |
| 5 | Senior Developer |
| 6 | Senior Editor |

Значение

Text

Senior Sales Associate

## Задание 4

```sql
select distinct p.brand
from product p
join order_items oi on p.product_id = oi.product_id
join orders o on oi.order_id = o.order_id
join customer c on o.customer_id = c.customer_id
where c.job_industry_category = 'Financial Services'

except

select distinct p.brand
from product p
join order_items oi on p.product_id = oi.product_id
join orders o on oi.order_id = o.order_id
join customer c on o.customer_id = c.customer_id
where c.job_industry_category = 'IT';
```

product 1

select distinct p.brand from product p join order_items oi

| | brand |
|---|---|
| 1 | |
| 2 | WeareA2B |
| 3 | Trek Bicycles |
| 4 | Solex |
| 5 | Giant Bicycles |
| 6 | OHM Cycles |
| 7 | Norco Bicycles |

## Задание 5

```sql
select c.customer_id, c.first_name, c.last_name, count(o.order_id) as total_orders
from customer c
join orders o on c.customer_id = o.customer_id
join order_items oi on o.order_id = oi.order_id
join product p on oi.product_id = p.product_id
where o.online_order = true
and c.deceased_indicator = 'N'
and c.property_valuation > (
    select avg(c2.property_valuation)
    from customer c2
    where c2.state = c.state
)
and p.brand in ('Giant Bicycles', 'Norco Bicycles', 'Trek Bicycles')
group by c.customer_id, c.first_name, c.last_name
order by total_orders desc
limit 10;
```

**customer 1** ×

select c.customer_id, c.first_name, c.last_name, count(o.or...  Введите SQL выражение чтобы отфильтровать результаты

| | 123 customer_id | A-Z first_name | A-Z last_name | 123 total_orders |
|---|---|---|---|---|
| 1 | 714 | Burtie | Scintsbury | 41 |
| 2 | 1 480 | Bird | Diess | 40 |
| 3 | 1 640 | Erie | Worswick | 34 |
| 4 | 2 240 | Niall | Hallifax | 30 |
| 5 | 1 817 | Jozef | Frizzell | 27 |
| 6 | 3 326 | Wes | Crotch | 27 |
| 7 | 3 375 | Thorsten | Gregon | 27 |
| 8 | 2 358 | Ave | Peatt | 26 |
| 9 | 3 251 | Cammie | Edridge | 26 |
| 10 | 86 | Job | Sleney | 26 |

Значение ×

714

Обновить ▼ | Save ▼ | Cancel | ... Экспорт данных ... ▼ | 200 | 10 | ... 10 строк получено - 1.3s (0.0s получ., ...

## Задание 6

```sql
select c.customer_id, c.first_name, c.last_name
from customer c
where c.owns_car = 'Yes'
and c.wealth_segment != 'Mass Customer'
and not exists (
select *
from orders o
where o.customer_id = c.customer_id
and o.online_order = true
and o.order_status = 'Approved'
and to_date(o.order_date, 'YYYY-MM-DD') >= current_date - interval '1 year');
```

**customer 1** ×

select c.customer_id, c.first_name, c.last_name from custo...  Введите SQL выражение чтобы отфильтровать результаты

| | 123 customer_id | A-Z first_name | A-Z last_name |
|---|---|---|---|
| 1 | 1 074 | Griswold | Juett |
| 2 | 251 | Mala | |
| 3 | 3 565 | Charyl | Pottiphar |
| 4 | 3 145 | Gar | Barnewille |
| 5 | 1 513 | Wendel | Cator |
| 6 | 3 370 | Brant | Follis |
| 7 | 3 318 | Courtnay | Allmen |
| 8 | 1 209 | Jacky | Jerosch |
| 9 | 3 081 | Dodi | Volker |
| 10 | 496 | Korry | Cosgrove |

Значение ×

Text ▼

Juett

Обновить ▼ | Save ▼ | Cancel | ... Экспорт данных ... ▼ | 200 | 1 032 | ... 1032 строк получено - 0.0s, 2025-11-22 в 12:07:01

## Задание 7

```sql
select c.customer_id, c.first_name, c.last_name
from customer c
where c.job_industry_category = 'IT'
and (
    select count(distinct p.product_id)
    from orders o
    join order_items oi on o.order_id = oi.order_id
    join product p on oi.product_id = p.product_id
    where o.customer_id = c.customer_id
    and p.product_id in (
        select product_id from product
        where product_line = 'Road'
        order by list_price desc
        limit 5)
) = 2;
```

| | 123 customer_id | A-Z first_name | A-Z last_name |
|---|---|---|---|
| 1 | 799 | Harland | Spilisy |
| 2 | 983 | Shaylyn | Riggs |
| 3 | 1 683 | Brenn | Bacon |
| 4 | 1 791 | Ninon | Van Der Hoog |
| 5 | 1 820 | Yard | Teeney |
| 6 | 1 887 | Kynthia | Purcer |
| 7 | 3 406 | Lucy | Lackmann |

Задание 8

```sql
where o.customer_id = c.customer_id
and o.order_status = 'Approved'
and to_date(o.order_date, 'YYYY-MM-DD') between '2017-01-01' and '2017-03-01'
group by o.customer_id
having count(o.order_id) >= 3 and sum(oi.quantity * oi.item_list_price_at_sale) > 10000
)
union
select c.customer_id, c.first_name, c.last_name, c.job_industry_category
from customer c
where c.job_industry_category = 'Health'
and exists (
select 1
from orders o
join order_items oi on o.order_id = oi.order_id
where o.customer_id = c.customer_id
and o.order_status = 'Approved'
and to_date(o.order_date, 'YYYY-MM-DD') between '2017-01-01' and '2017-03-01'
group by o.customer_id
having count(o.order_id) >= 3 and sum(oi.quantity * oi.item_list_price_at_sale) > 10000);
```

| | 123 customer_id | A-Z first_name | A-Z last_name | A-Z job_industry_category |
|---|---|---|---|---|
| 1 | 64 | Gerek | Yve | IT |
| 2 | 167 | Nathalie | Tideswell | Health |
| 3 | 173 | Ebba | Hanselmann | Health |
| 4 | 250 | Kristofer | | Health |
| 5 | 255 | Keeley | Kruger | IT |
| 6 | 394 | Roanne | Cowthard | Health |
| 7 | 424 | Dennie | Eunson | Health |
| 8 | 513 | Kienan | Soar | IT |
| 9 | 590 | Ddene | Burleton | Health |
| 10 | 607 | Adelaida | Redmond | Health |