***Задача 1***

***select name\_partner***

***, is\_trial***

***, pay\_rn\_us***

***, count(\*)***

***from***

***(***

***select \****

***from***

***(***

***select \****

***, row\_number() over (partition by user\_id order by date\_purchase) as pay\_rn\_us***

***from skycinema.client\_sign\_up a***

***) as rank\_user***

***join skycinema.partner\_dict b***

***on rank\_user.partner = b.id\_partner***

***where pay\_rn\_us = 1***

***) as finish***

***group by name\_partner***

***, is\_trial***

***, pay\_rn\_us***

***Задача 2***

***select name\_partner***

***, sum\_1 / sum\_1::float as r1***

***, sum\_2 / sum\_1::float as r2***

***, sum\_3 / sum\_1::float as r3***

***, sum\_4 / sum\_1::float as r4***

***, sum\_5 / sum\_1::float as r5***

***, sum\_6 / sum\_1::float as r6***

***from***

***(***

***select name\_partner***

***, sum(case when pay\_rn\_us = '1' then 1 else 0 end)::float as sum\_1***

***, sum(case when pay\_rn\_us = '2' then 1 else 0 end) as sum\_2***

***, sum(case when pay\_rn\_us = '3' then 1 else 0 end) as sum\_3***

***, sum(case when pay\_rn\_us = '4' then 1 else 0 end) as sum\_4***

***, sum(case when pay\_rn\_us = '5' then 1 else 0 end) as sum\_5***

***, sum(case when pay\_rn\_us = '6' then 1 else 0 end) as sum\_6***

***from***

***(***

***select \****

***from***

***(***

***select \****

***, row\_number() over (partition by user\_id order by date\_purchase) as pay\_rn\_us***

***from skycinema.client\_sign\_up a***

***) as rank\_user***

***join skycinema.partner\_dict b***

***on rank\_user.partner = b.id\_partner***

***) as qwerty***

***group by qwerty.name\_partner***

***) as qwe***

***Зачада 3***

***select \****

***, avg(amt\_payment) over (order by month\_purchase rows between 2 preceding and current row) as ma\_3***

***, avg(amt\_payment) over (order by month\_purchase rows between 6 preceding and current row) as ma\_7***

***, avg(amt\_payment) over (order by month\_purchase rows between 2 preceding and 2 following) as ma\_2side\_5***

***from***

***(***

***select date\_trunc ('month', date\_purchase) as month\_purchase***

***, sum(amt\_payment) as amt\_payment***

***from skycinema.client\_sign\_up***

***group by 1***

***order by 1) q***

***Задача 4***

***select \****

***, amt\_loan/sum\_city::float as doly\_credit\_city***

***, amt\_loan/sum\_type::float as doly\_credit\_type***

***, amt\_loan/sum\_type\_city::float as doly\_credit\_type\_city***

***, count(amt\_loan) over (partition by name\_city) as count\_city***

***, count(amt\_loan) over (partition by credit\_type) as count\_type***

***, count(amt\_loan) over (partition by credit\_type, name\_city) as count\_type\_city***

***from***

***(***

***select \****

***, sum(amt\_loan) over (partition by name\_city) as sum\_city***

***, sum(amt\_loan) over (partition by credit\_type) as sum\_type***

***, sum(amt\_loan) over (partition by credit\_type, name\_city) as sum\_type\_city***

***from***

***(***

***select id\_client***

***, name\_city***

***, credit\_type***

***, first\_time***

***, amt\_loan***

***, is\_active***

***, cl\_segm***

***, age***

***, date\_loan***

***, case when gender = 'M' then 1 else 0 end as nflag\_gender***

***, case when cellphone is not null then 1 else 0 end nflag\_cellphone***

***, sum(amt\_loan) over (partition by name\_city) as sum\_city\_type***

***from skybank.late\_collection\_clients q***

***left join skybank.region\_dict w***

***on q.id\_city = w.id\_city ) qwe***

***group by id\_client***

***, name\_city***

***, credit\_type***

***, first\_time***

***, amt\_loan***

***, is\_active***

***, cl\_segm***

***, age***

***, date\_loan***

***, qwe.nflag\_gender***

***, nflag\_cellphone***

***, sum\_city\_type) qwer***

***group by qwer.id\_client***

***, qwer.name\_city***

***, qwer.credit\_type***

***, qwer.first\_time***

***, qwer.amt\_loan***

***, qwer.is\_active***

***, qwer.cl\_segm***

***, qwer.age***

***, qwer.date\_loan***

***, qwer.nflag\_gender***

***, qwer.nflag\_cellphone***

***, qwer.sum\_city\_type***

***, qwer.sum\_city***

***, qwer.sum\_type***

***, qwer.sum\_type\_city***