Задача №1

-- select b.”primaryTitle” title, r.”averageRating” rating

-- from imdb.title\_basics b

-- join imdb.title\_ratings r on b.tconst=r.tconst

-- where “titleType”=’tvSeries’

-- and r.”numVotes”>5000

-- order by r.”averageRating” desc

-- limit 30

select b.tconst, b."primaryTitle"

from imdb.title\_basics b

left join imdb.actor\_title a on b.tconst = a.tconst

where a.tconst is null

order by b.tconst

Задача №2

-- select t.user\_id is not null trial\_happened

-- , count(s.user\_id) student\_count

-- , count(p.user\_id) paid\_student\_count

-- , count(p.user\_id)::float/count(s.user\_id)\*100 conversion\_to\_pay

-- from skyeng\_db.students s

-- left join (select distinct user\_id

-- from skyeng\_db.classes

-- where class\_type=’trial’

-- and class\_status=’success’) t on t.user\_id=s.user\_id

-- left join (select distinct user\_id

-- from skyeng\_db.payments

-- where id\_transaction is not null

-- and status\_name=’success’) p on p.user\_id=s.user\_id

-- group by 1

with teachers\_3 as

(select id\_teacher

from skyeng\_db.classes

where date\_trunc(‘year’,class\_start\_datetime)=’2017-01-01’

and class\_status=’success’

group by id\_teacher

having count(id\_class)>=3

),

teacher\_3\_students as

(select distinct id\_teacher,user\_id

from skyeng\_db.classes

where id\_teacher in (select id\_teacher from teachers\_3)

and date\_trunc(‘year’,class\_start\_datetime)=’2017-01-01’

and class\_status=’success’

)

select t.max\_teaching\_level

,sum(p.payment\_amount)::float/count(distinct t.id\_teacher) avg\_revenue

from skyeng\_db.teachers t

join teacher\_3\_students t3s on t.id\_teacher=t3s.id\_teacher

left join skyeng\_db.payments p on t3s.user\_id=p.user\_id

and id\_transaction is not null and status\_name=’success’

and date\_trunc(‘year’,transaction\_datetime)=’2017-01-01’

group by t.max\_teaching\_level

order by avg\_revenue desc