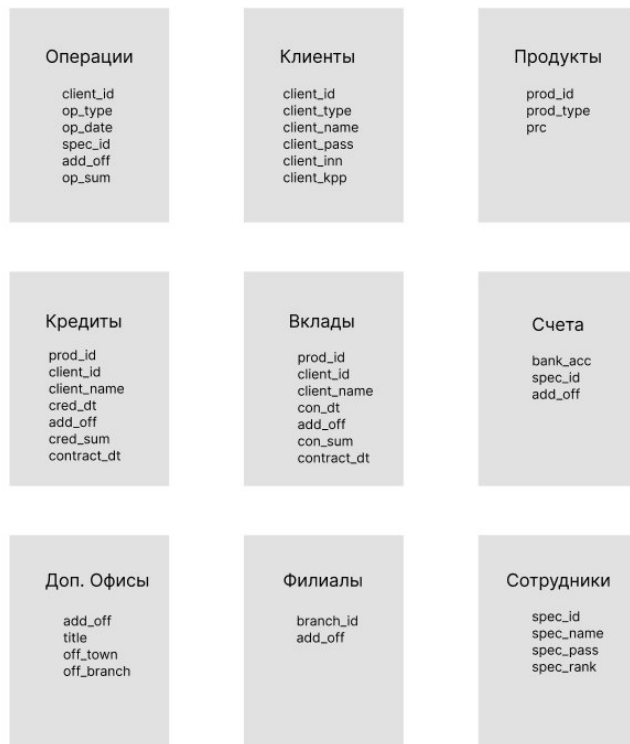1 задание

```sql
select dim_idv_lby_ar.cst_id, fct_idv_lby_ar.fct_eff_dt,
dim_idv_lby_ar.pd_id, sum(pnp_amt), avg(prc)
from dim_idv_lby_ar, fct_idv_lby_ar
where fct_idv_lby_ar.fct_eff_dt='2018-01-01'
group by fct_idv_lby_ar.fct_eff_dt, dim_idv_lby_ar.cst_id, dim_idv_lby_ar.pd_id;
```

2 задание

```sql
select dep_id,
case when dep_reg_id='DP005' and act_dt='2018-09-01' then val_r end as remainder,
sum(case when dep_reg_id='DP001' and act_dt between '2018-01-15' and '2018-01-15'::timestamp + interval '30 day'
        then val_r end) as sum_enrollment,
sum(case when (dep_reg_id='DP004' or dep_reg_id='DP014')
        and act_dt between '2018-01-15' and '2018-01-15'::timestamp + interval '30 day'
        then val_r end) as sum_debit
from gd_td_reg
group by dep_id, dep_reg_id, act_dt, val_r
order by dep_id;
```

4 задание

Операции
- client_id
- op_type
- op_date
- spec_id
- add_off
- op_sum

Клиенты
- client_id
- client_type
- client_name
- client_pass
- client_inn
- client_kpp

Продукты
- prod_id
- prod_type
- prc

Кредиты
- prod_id
- client_id
- client_name
- cred_dt
- add_off
- cred_sum
- contract_dt

Вклады
- prod_id
- client_id
- client_name
- con_dt
- add_off
- con_sum
- contract_dt

Счета
- bank_acc
- spec_id
- add_off

Сокращения:
op - operation
add-additional
spec - specialist
pass - passport
inn - инн
kpp - кпп
prod - product
prc - percent
dt - datetime
off - office
acc - account

Доп. Офисы
- add_off
- title
- off_town
- off_branch

Филиалы
- branch_id
- add_off

Сотрудники
- spec_id
- spec_name
- spec_pass
- spec_rank

Доп. Офисы
- add_off
- title
- off_town
- off_branch

Филиалы
- branch_id
- add_off

Клиенты
- client_id
- client_type
- client_name
- client_pass
- client_inn
- client_kpp

Операции
- client_id
- op_type
- op_date
- spec_id
- add_off
- op_sum

Вклады
- prod_id
- client_id
- client_name
- con_dt
- add_off
- con_sum
- contract_dt

Продукты
- prod_id
- prod_type
- prc

Кредиты
- prod_id
- client_id
- client_name
- cred_dt
- add_off
- cred_sum
- contract_dt

Счета
- bank_acc
- spec_id
- add_off

Сотрудники
- spec_id
- spec_name
- spec_pass
- spec_rank