```sql
--- 2.1 create accountant, administrator, support roles and grant appropriate
privileges
create role accountant;
grant all privileges on accounts to accountant;
grant select, update on transactions to accountant;

create role administrator;
grant all privileges on accounts, transactions, customers to administrator;

create role support;
grant select on accounts, transactions, customers to support;

-- 2.2 create some users and assign them roles
create user aisha;
grant administrator to aisha;
create user ainur;
grant accountant to ainur;
create user aruzhan;
grant support to aruzhan;

-- 2.3 give to some of them permission to grant roles to other users
create role grant_role createrole;
grant grant_role to aisha;

-- 2.4 revoke some privilege from particular user
revoke select on accounts from ainur;
revoke update on transactions from aisha;

--3.2 add not null constraints
alter table transactions
    alter column date set not null,
    alter column src_account set not null,
    alter column dst_account set not null,
    alter column amount set not null,
    alter column status set not null;

--5.1 create index so that each customer can only have one account of one
currency
create unique index cur on accounts (account_id, customer_id, currency);
create index searcher on accounts (currency, balance);

-- 6. write a sql transaction that illustrates money transaction from one
account to another:
-- 6.1 create transaction with "init" status
insert into transactions values (4, '2021-08-12 04:02:47.000000', 'ab10203',
'nk90123', 10, 'init');

-- 6.2 increase balance for destination account and decrease for source account
update accounts set balance = balance - 10 where account_id = 'ab10203';
update accounts set balance = balance + 10 where account_id = 'nk90123';
```