CREATE TABLE CONSUMERS (

number integer(8) NOT NULL,

account char(10) NOT NULL,

name varchar(30),

telephone integer(11),

area integer(8) NOT NULL,

type ENUM('Физ. лицо', 'Юр. лицо'),

mail varchar(30),

PRIMARY KEY(number),

UNIQUE(account)

);

CREATE TABLE NATURAL\_PERSONS(

number integer(8) NOT NULL,

snils integer(11) NOT NULL,

series\_and\_number integer(10) NOT NULL,

issued\_by\_whom varchar(150),

when\_issued date,

birthday date,

lastname varchar(12),

firstname varchar(12),

patronomic varchar(12),

PRIMARY KEY(number),

UNIQUE(snils),

UNIQUE(series\_and\_number),

FOREIGN KEY(number) REFERENCES CONSUMERS(number) ON DELETE CASCADE ON UPDATE CASCADE

);

CREATE TABLE LEGAL\_PERSONS(

number integer(8) NOT NULL,

ogrn integer(13) NOT NULL,

name varchar(30),

PRIMARY KEY(number),

UNIQUE(ogrn),

FOREIGN KEY(number) REFERENCES CONSUMERS(number) ON DELETE CASCADE ON UPDATE CASCADE

);

CREATE TABLE FLATS(

number integer(8) NOT NULL PRIMARY KEY,

plan longblob,

district varchar(30),

street varchar(20),

house\_number integer(4),

flat\_number integer(4)

);

CREATE TABLE CONSUMER\_OWN\_FLAT(

number integer(8) NOT NULL,

consumer\_number integer(8) NOT NULL,

flat\_number integer(8) NOT NULL,

own\_date date,

end\_own\_date date,

document\_type varchar(30),

PRIMARY KEY(number),

FOREIGN KEY(consumer\_number) REFERENCES CONSUMERS(number) ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY(flat\_number) REFERENCES FLATS(number) ON DELETE CASCADE ON UPDATE CASCADE

);

CREATE TABLE RATES(

number integer(8) NOT NULL PRIMARY KEY,

start\_date date,

end\_date date,

name varchar(30),

cost decimal(8,2)

);

CREATE TABLE ACCURALS(

number integer(8) NOT NULL,

rate\_number integer(8) NOT NULL,

consumer\_number integer(8) NOT NULL,

date\_from date,

date\_to date,

amount decimal(10, 2) NOT NULL,

PRIMARY KEY(number),

FOREIGN KEY(rate\_number) REFERENCES RATES(number) ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY(consumer\_number) REFERENCES CONSUMERS(number) ON DELETE CASCADE ON UPDATE CASCADE

);

CREATE TABLE PAYMENTS(

number integer(8) NOT NULL PRIMARY KEY,

accural\_number integer(8) NOT NULL,

pay\_date date,

amount decimal(10, 2) NOT NULL,

FOREIGN KEY(accural\_number) REFERENCES ACCURALS(number) ON DELETE CASCADE ON UPDATE CASCADE

);

CREATE TABLE RATES\_COPY LIKE RATES;

ALTER TABLE RATES\_COPY

ADD new\_column integer NOT NULL;

ALTER TABLE RATES\_COPY

MODIFY new\_column integer AFTER number;

ALTER TABLE RATES\_COPY

MODIFY new\_column VARCHAR(12);

ALTER TABLE RATES\_COPY

ADD CONSTRAINT UNIQUE(new\_column),

ALTER new\_column SET DEFAULT 'dojdik';

ALTER TABLE RATES\_COPY

DROP name;

DROP TABLE RATES\_COPY;