Create Table copy\_book(

copy\_id INT PRIMARY KEY,

price float,

ciper Char(30),

write\_off\_status SMALLINT CHECK (write\_off\_status =0 OR write\_off\_status =1),

address\_id int REFERENCES storage\_address (address\_id),

book\_id int REFERENCES book (book\_id)

)

Create Table book(

book\_id INT PRIMARY KEY,

translator Char(20),

publishment\_place Char(30),

original\_language Char(15),

knowledge\_area Char(15),

volume INT CHECK (volume>=1),

book\_name VARCHAR(40) NOT NULL,

writer Char(20) NOT NULL

)

Create Table storage\_address(

address\_id INT PRIMARY KEY,

room Char(20) NOT NULL,

shelf Char(20) NOT NULL,

rack Char(20) NOT NULL

)

Create Table reader(

reader\_ticket INT PRIMARY KEY,

last\_name VARCHAR(30) NOT NULL,

fist\_name VARCHAR(30) NOT NULL,

middle\_name VARCHAR(30)NOT NULL,

telephone Char(12)NOT NULL,

address VARCHAR(30)NOT NULL

)

Create Table librarian(

librarian\_id INT PRIMARY KEY,

last\_name VARCHAR(30) NOT NULL,

fist\_name VARCHAR(30) NOT NULL,

middle\_name VARCHAR(30)NOT NULL,

access\_code SMALLINT CHECK (access\_code >0) CHECK (access\_code <=6)NOT NULL

)

Create Table registeration(

registeration\_id INT PRIMARY KEY,

reader\_ticket INT REFERENCES reader (reader\_ticket),

librarian\_id INT REFERENCES librarian (librarian\_id),

registeration\_date Date,

disposal\_date Date CHECK (disposal\_date > registeration\_date)

)

Create Table extradition(

extradition\_id INT PRIMARY KEY,

copy\_id INT REFERENCES copy\_book (copy\_id),

reader\_ticket INT REFERENCES reader (reader\_ticket),

status SMALLINT CHECK (status =0) CHECK (status =1),

extradiction\_date Date NOT NULL,

return\_date Date CHECK (return\_date > extradiction\_date) NOT NULL,

actual\_date DATE,

librarian\_id INT REFERENCES librarian (librarian\_id)

)