

```

create table publisher
(
name varchar(20) primary key,
addr varchar(30),
phno integer
);

create table book
(
book_id varchar(20) primary key,
title varchar(20),
pub_name varchar(20) references publisher(name) on delete cascade,
pub_yr integer
);

create table book_authors
(
book_id varchar(20) references book(book_id) on delete cascade,
author_name varchar(20),
primary key(book_id,author_name)
);

create table lib_branch
(
branch_id varchar(20) primary key ,
branch_name varchar(20),
address varchar(20)
);

create table book_copies
(
book_id varchar(20) references book(book_id) on delete cascade ,
branch_id varchar(20) references lib_branch(branch_id) on delete cascade,
no_of_copies integer,
primary key(book_id,branch_id,no_of_copies)
);

create table book_lending
(
book_id varchar(20) references book(book_id) on delete cascade ,
branch_id varchar(20) references lib_branch(branch_id) on delete cascade,
card_no integer references card(card_no),
dateout timestamp,
duedate timestamp,
primary key(book_id,branch_id,card_no)
);

);

```

```
create table card
(
card_no integer primary key,
card_name varchar(20)
);
```

```
insert into publisher values('pearstone','delhi',123344);
insert into publisher values('arihant','mumb',6763344);
insert into publisher values('ncert','mys',13535234);
insert into publisher values('pearlstone','bang',23543544);
insert into publisher values('whitehorse','kolkata',35246364);
```

```
insert into book values('a11','A','pearstone',2011);
insert into book values('b33','Aba','arihant',2015);
insert into book values('99s','hgc','ncert',2005);
insert into book values('h55',' three little stars','pearlstone',2001);
insert into book values('z86','jee advanced','whitehorse',2004);
```

```
insert into book_authors values('a11','Mrs sathwik');
insert into book_authors values('b33','jay');
insert into book_authors values('99s','david');
insert into book_authors values('h55','john');
insert into book_authors values('z86','phil');
```

```
insert into lib_branch values('67','ise','a block');
insert into lib_branch values('68','cse','c block');
insert into lib_branch values('98','mech','d block');
insert into lib_branch values('34','aiml','e block');
insert into lib_branch values('69','eee','b block');
```

```
insert into book_copies values('a11','67',50);
insert into book_copies values('b33','68',500);
insert into book_copies values('99s','98',250);
insert into book_copies values('h55','34',650);
insert into book_copies values('z86','69',80);
```

```
insert into card values(5,'a1');
```

```
insert into card values(6,'b2');
insert into card values(7,'c3');
insert into card values(8,'d4');
insert into card values(9,'e5');
```

```
insert into book_lending values('a11','67',5,'09-may-2024','15-may-2024');
insert into book_lending values('b33','68',6,'01-may-2024','20-may-2024');
insert into book_lending values('99s','98',7,'09-feb-2023','15-mar-2023');
insert into book_lending values('h55','34',8,'10-jan-2024','15-mar-2024');
insert into book_lending values('z86','69',9,'23-feb-2024','23-mar-2024');
```