CREATE TABLE, ALTER TABLE, LOAD DATA commands:

Create table library.library_branch

(branch_id int(1) primary key,

 branch_name varchar(20),

address varchar(30));

LOAD DATA LOCAL INFILE
"C:/Users/Anindita/Desktop/Database/Project/Library_data/library_branch.csv
" INTO TABLE library.library_branch;

Create table library.borrower

(card_no int(4) primary key auto_increment,

fname varchar(20) not null,

lname varchar(20) not null,

address varchar(100) not null,

phone varchar(14),

unique (fname, lname, address)

);

LOAD DATA LOCAL INFILE
"C:/Users/Anindita/Desktop/Database/Project/Library_data/borrowers.csv"

INTO TABLE library.borrower;

```sql
Create table library.book

(book_id varchar(10) primary key,

 title varchar(255));




Create table library.book_authors

(book_id varchar(10),

author_name varchar(100),

primary key(book_id, author_name),

 foreign key (book_id) references book(book_id) on update cascade on delete cascade

);




alter table book_authors add column fname varchar(25);

alter table book_authors add column minit varchar(15);

alter table book_authors add column lname varchar(25);

alter table book_authors alter column minit set default null;
```

```sql
Create table library.book_copies

(book_id varchar(10),

branch_id int(1),

no_of_copies  varchar(1),

primary key (book_id, branch_id),

foreign key (branch_id) references library_branch(branch_id) on update
cascade on delete cascade,

foreign key (book_id) references book(book_id) on update cascade on delete
cascade);


LOAD DATA LOCAL INFILE
"C:/Users/Anindita/Desktop/Database/Project/Library_data/book_copies.csv"

INTO TABLE library.book_copies;


Create table library.book_loans

(loan_id int primary key auto_increment,

book_id varchar(10),

branch_id int(1),

card_no int(4),

date_out date not null,

due_date date,

date_in date default null,

foreign key(book_id) references book(book_id) on update cascade on delete
cascade,
```

foreign key(branch_id) references library_branch(branch_id) on update cascade on delete cascade,

foreign key(card_no) references borrower(card_no) on update cascade on delete cascade

);


```
LOAD DATA LOCAL INFILE
"C:/Users/Anindita/Desktop/Database/Project/Library_data/book_loans.csv"

INTO TABLE library.book_loans;
```


```
Create table fines

(loan_id int primary key ,

fine_amt decimal(4,2),

paid boolean ,

foreign key (loan_id) references book_loans(loan_id) on update cascade on delete cascade);
```