

Create Table Commands:

```
CREATE TABLE LIBRARY(  
lname VARCHAR(100) NOT NULL,  
laddress varchar(150) NOT NULL,  
lphone varchar(50),  
PRIMARY KEY (lname)  
);
```

```
CREATE TABLE BOOK(  
isbn int(13) NOT NULL,  
title varchar(60) NOT NULL,  
author varchar(100),  
genre varchar(20),  
checked_out Boolean,  
lib_name varchar(100) NOT NULL,  
PRIMARY KEY (isbn),  
FOREIGN KEY (lib_name) REFERENCES  
LIBRARY(lname)  
);
```

```
CREATE TABLE PERSON(  
id int NOT NULL AUTO_INCREMENT,  
firstname varchar(50) NOT NULL,  
lastname varchar(50) NOT NULL,  
address varchar(150) NOT NULL,  
dob DATE, email varchar(100),  
lib_name varchar(100) NOT NULL,  
FOREIGN KEY (lib_name) REFERENCES  
LIBRARY(lname),  
PRIMARY KEY (id)  
);
```

```
CREATE TABLE MEMBER(  
member_id int NOT NULL  
AUTO_INCREMENT,  
p_id int NOT NULL,  
FOREIGN KEY (p_id) REFERENCES PERSON  
(id),  
PRIMARY KEY (member_id)  
);
```

```
CREATE TABLE STAFF(  
staff_id int NOT NULL AUTO_INCREMENT,  
hours_worked int,  
p_id int NOT NULL,  
FOREIGN KEY (p_id) REFERENCES PERSON  
(id),  
PRIMARY KEY (staff_id)  
);
```

```
CREATE TABLE CHECKS_OUT(  
m_id int NOT NULL,  
b_isbn int(13) NOT NULL,  
checkout_date date NOT NULL,  
return_date date NOT NULL,  
FOREIGN KEY (m_id) REFERENCES  
MEMBER (member_id),  
FOREIGN KEY (b_isbn) REFERENCES BOOK  
(isbn)  
);
```