

```
create database qwe;  
use qwe;
```

```
CREATE TABLE PUBLISHER(NAME VARCHAR(20) PRIMARY KEY,ADDRESS  
VARCHAR(20),PHONE REAL);
```

```
CREATE TABLE BOOK(BOOK_ID INT PRIMARY KEY,TITLE  
CHAR(10),PUBLISHER_NAME CHAR(15),PUBLISHER_YEAR INT,FOREIGN  
KEY(PUBLISHER_NAME) REFERENCES PUBLISHER(NAME) ON DELETE CASCADE);
```

```
CREATE TABLE LIBRARY_BRANCH(BRANCH_ID INT PRIMARY KEY,BRANCH_NAME  
CHAR(10),ADDRESS VARCHAR(15));
```

```
CREATE TABLE BOOK_AUTHORS(BOOK_ID INT,AUTHOR_NAME CHAR(10),FOREIGN  
KEY(BOOK_ID) REFERENCES BOOK(BOOK_ID) ON DELETE CASCADE);
```

```
CREATE TABLE BOOK_LENDING(BOOK_ID INT,BRANCH_ID INT,CARD_NO  
INT,DATE_OUT DATE,DUE_DATE DATE,PRIMARY  
KEY(BOOK_ID,BRANCH_ID,CARD_NO),FOREIGN KEY(BOOK_ID) REFERENCES  
BOOK(BOOK_ID) ON DELETE CASCADE,FOREIGN KEY(BRANCH_ID) REFERENCES  
LIBRARY_BRANCH(BRANCH_ID) ON DELETE CASCADE);
```

```
CREATE TABLE BOOK_COPIES(BOOK_ID INT,BRANCH_ID INT,NO_OF_COPIES  
INT,FOREIGN KEY(BOOK_ID) REFERENCES BOOK(BOOK_ID) ON DELETE  
CASCADE,FOREIGN KEY(BRANCH_ID) REFERENCES LIBRARY_BRANCH(BRANCH_ID)  
ON DELETE CASCADE,PRIMARY KEY(BOOK_ID,BRANCH_ID));
```

```
INSERT INTO PUBLISHER VALUES('ANUAMMUBOOKS', 'SRIRAMRKNAGAR', 8797546021),  
( 'BHAVANISTORE', 'KARNATAKABAR', 9900778821),  
( 'RAJBOOKSTALL', 'SATALLITE@12', 9252459821),  
( 'SNEHABANDHU', 'MANDYA123', 9380577730);
```

```
INSERT INTO BOOK VALUES(1000, 'OOMD', 'ANUAMMUBOOKS', 1996),  
(1001, 'CMPTRNTWK', 'BHAVANISTORE', 1992),  
(1002, 'AUTOMATA', 'RAJBOOKSTALL', 2000),  
(1003, 'CSHARP', 'SNEHABANDHU', 2012);
```

```
INSERT INTO LIBRARY_BRANCH VALUES(100, 'BRANCH1', 'GROUND FLOOR'),  
(101, 'BRANCH2', 'GFROWF'),  
(102, 'BRANCH1', 'LFTSIDEROW7'),  
(103, 'BRANCH3', 'RGHTSIDEROW7');
```

```
INSERT INTO BOOK_AUTHORS VALUES(1000, 'NAWATHI'),  
(1001, 'NAWATHI'),  
(1002, 'THRIPATI'),  
(1003, 'PADMAREDDY');
```

```
INSERT INTO BOOK_LENDING VALUES(1000, 100, 50, '2017/01/03', '2017/06/26'),  
(1001, 101, 50, '2017/01/26', '2017/06/26'),  
(1002, 102, 50, '2017/01/15', '2017/06/26'),  
(1003, 103, 50, '2018/01/26', '2018/06/03');
```

```
INSERT INTO BOOK_COPIES VALUES(1000, 100, 3),  
(1001, 101, 4),
```

```
(1002, 102, 2),  
(1003, 103, 5);
```

```
select * from book;  
select * from publisher;  
select * from library_branch;  
select * from book_authors;  
select * from book_lending;  
select * from book_copies;
```