```
--6.8
CREATE SCHEMA IF NOT EXISTS Librarys;
CREATE TABLE IF NOT EXISTS PUBLISHER ( Name VARCHAR(20) NOT NULL
                                    , Address VARCHAR(40) NOT NULL
                                    , Phone CHAR(12)
                                    , PRIMARY KEY (Name) );
CREATE TABLE IF NOT EXISTS LIBRARY_BRANCH ( Branchid INTEGER NOT NULL
                                           ,BranchName VARCHAR(20) NOT NULL
                                           , Address VARCHAR(40) NOT NULL
                                           , PRIMARY KEY (BranchId) );
CREATE TABLE IF NOT EXISTS BOOK (BookId CHAR(20) NOT NULL
                          ,Title VARCHAR(30) NOT NULL
                          , PublisherName VARCHAR(20)
                          , PRIMARY KEY (BookId)
                          , FOREIGN KEY (PublisherName) REFERENCES PUBLISHER (Name)
ON UPDATE CASCADE);
CREATE TABLE IF NOT EXISTS BOOK_AUTHORS (BookId CHAR(20) NOT NULL
                                      , AuthorName VARCHAR(30) NOT NULL
                                      , PRIMARY KEY (BookId, AuthorName)
                                       , FOREIGN KEY (BookId) REFERENCES BOOK
(BookId)
                                      ON DELETE CASCADE ON UPDATE CASCADE);
CREATE TABLE IF NOT EXISTS BOOK_COPIES ( BookId CHAR(20) NOT NULL
                                      ,BranchId INTEGER NOT NULL
                                      , No_Of_Copies INTEGER NOT NULL
                                      , PRIMARY KEY (BookId, BranchId)
                                      , FOREIGN KEY (BookId) REFERENCES BOOK
(BookId)
                                      ON DELETE CASCADE ON UPDATE CASCADE
                                      , FOREIGN KEY (BranchId) REFERENCES
LIBRARY BRANCH (BranchId)
                                      ON DELETE CASCADE ON UPDATE CASCADE );
CREATE TABLE IF NOT EXISTS BORROWER ( CardNo INTEGER NOT NULL
                                 , Name VARCHAR(30) NOT NULL
                                 ,Address VARCHAR(40) NOT NULL
                                 , Phone CHAR(12)
                                 , PRIMARY KEY (CardNo) );
CREATE TABLE IF NOT EXISTS BOOK_LOANS ( CardNo INTEGER NOT NULL
                                     ,BookId CHAR(20) NOT NULL
                                     ,BranchId INTEGER NOT NULL
                                     ,DateOut DATE NOT NULL
                                     , DueDate DATE NOT NULL
                                     , PRIMARY KEY (CardNo, BookId, BranchId)
                                     , FOREIGN KEY (CardNo) REFERENCES BORROWER
(CardNo)
                                     ON DELETE CASCADE ON UPDATE CASCADE
                                     , FOREIGN KEY (BranchId) REFERENCES
LIBRARY_BRANCH (BranchId)
                                     ON DELETE CASCADE ON UPDATE CASCADE
                                     , FOREIGN KEY (BookId) REFERENCES BOOK (BookId)
                                     ON DELETE CASCADE ON UPDATE CASCADE );
```