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```
CREATE TABLE Book(  
    Book-id Int PRIMARY KEY,  
    Title varchar(200),  
    Publisher-name varchar(200),  
    FOREIGN KEY (publisher-name) REFERENCES  
    publisher (Name) ON DELETE SET NULL ON UPDATE  
    CASCADE  
);
```

```
CREATE TABLE Book-Authors(  
    Book-id Int NOT NULL,  
    Author-name varchar(200) NOT NULL,  
    PRIMARY KEY (Book-id, Author-name),  
    FOREIGN KEY (Book-id) REFERENCES Book (Book-id)  
    ON DELETE CASCADE ON UPDATE CASCADE  
);
```

```
CREATE TABLE Publisher(  
    Name varchar(200) PRIMARY KEY,  
    Address varchar(400),  
    Phone Decimal(20)  
);
```



```
CREATE TABLE Book_Copies(  
    Book_id Int NOT NULL,  
    Branch_id char(4) NOT NULL,  
    No_of_Copies Int DEFAULT 1,  
    PRIMARY KEY (Book_id, Branch_id),  
    FOREIGN KEY (Book_id) REFERENCES Book (Book_id)  
    ON DELETE CASCADE ON UPDATE CASCADE,  
    FOREIGN KEY (Branch_id) REFERENCES Library_Branch  
    (Branch_id)  
    ON DELETE CASCADE ON UPDATE  
);
```

```
CREATE TABLE Book_Loans(  
    Book_id Int NOT NULL,  
    Branch_id char(4) NOT NULL,  
    Card_no Int NOT NULL,  
    Date_out Date,  
    Due_date Date,  
    PRIMARY KEY (Book_id, Branch_id, Card_no),  
    FOREIGN KEY (Book_id) REFERENCES Book (Book_id)  
    ON DELETE RESTRICT ON UPDATE CASCADE,  
    FOREIGN KEY (Card_no) REFERENCES Borrower (Card_no)  
    ON DELETE RESTRICT ON UPDATE CASCADE  
);
```



```
CREATE TABLE Library-Branch (  
  Branch-id char(4) PRIMARY KEY,  
  Branch-name varchar(200) NOT NULL,  
  Address varchar(400)  
);
```

```
CREATE TABLE Borrower (  
  Card-no Int PRIMARY KEY,  
  Name varchar(200) NOT NULL,  
  Address varchar(400),  
  Phone Decimal(20)  
);
```