6.8. Write appropriate SQL DDL statements for declaring the LIBRARY relational database schema of Figure 6.6. Specify the keys and referential triggered actions.

```
CREATE TABLE BOOK (
 Book_id varchar(17) NOT NULL,
 Title varchar(100) NOT NULL,
 Publisher_name varchar(20) NOT NULL,
 PRIMARY KEY Book id
 CONSTRAINT BOOKPUBLISHERNAMEFK FOREIGN KEY Publisher name REFERENCES
PUBLISHER(Publisher_name) ON DELETE REJECT ON UPDATE CASCADE
);
CREATE TABLE BOOK_AUTHORS (
 Book_id varchar(17) NOT NULL,
 Author_name varchar(50) NOT NULL,
 PRIMARY KEY (Book_id, Author_name),
 CONSTRAINT BOOKAUTHORSBOOKIDFK FOREIGN KEY (Book_id) REFERENCES
BOOK(Book_id) ON DELETE CASCADE ON UPDATE CASCADE
);
CREATE TABLE PUBLISHER (
Name varchar(20) NOT NULL,
 Address varchar(100) NOT NULL,
 Phone varchar(15) NOT NULL,
 PRIMARY KEY Name
);
CREATE TABLE BOOK_COPIES (
 Book_id varchar(17) NOT NULL,
 Branch_id varchar(20) NOT NULL,
 No_of_copies int NOT NULL,
 PRIMARY KEY (Book_id, Branch_id),
 CONSTRAINT BOOKCOPIESBRANCHIDFK FOREIGN KEY (Branch_id) REFERENCES
LIBRARY_BRANCH(Branch_id) ON DELETE CASCADE ON UPDATE CASCADE,
 CONSTRAINT BOOKCOPIESBOOKIDFK FOREIGN KEY (Book_id) REFERENCES
```

```
BOOK(Book_id) ON DELETE CASCADE ON UPDATE CASCADE
);
CREATE TABLE BOOK_LOANS (
Book_id varchar(17) NOT NULL,
Branch_id varchar(20) NOT NULL,
Card no int NOT NULL.
Date out date NOT NULL.
Due date date NOT NULL.
PRIMARY KEY (Book_id, Branch_id, Card_no),
CONSTRAINT BOOKLOANSBOOKIDFK FOREIGN KEY (Book_id) REFERENCES BOOK(Book_id)
ON DELETE CASCADE ON UPDATE CASCADE,
CONSTRAINT BOOKLOANSBRANCHIDFK FOREIGN KEY (Branch_id) REFERENCES
LIBRARY_BRANCH(Branch_id) ON DELETE CASCADE ON UPDATE CASCADE,
CONSTRAINT BOOKLOANSCARDNOFK FOREIGN KEY (Card_no) REFERENCES
BORROWER(Card_no) ON DELETE REJECT ON UPDATE CASCADE
);
CREATE TABLE LIBRARY_BRANCH (
Branch_id varchar(20) NOT NULL,
Branch_name varchar(20) NOT NULL,
Address varchar(100) NOT NULL,
PRIMARY KEY (Branch_id)
);
CREATE TABLE BORROWER (
Card_no int NOT NULL,
Name varchar(50) NOT NULL,
Address varchar(100) NOT NULL,
Phone varchar(15) NOT NULL,
PRIMARY KEY Card_no,
);
```