

# LIBRARY MGMT SYSTEM

## Books

```
CREATE TABLE Books (  
    'ID' INT NOT NULL PRIMARY KEY,  
    'TITLE' VARCHAR(20),  
    'AUTHOR' VARCHAR(20),  
    'QUANTITY' INT,);
```

## ADMIN

```
CREATE TABLE ADMIN (  
    'ID' INT PRIMARY KEY,  
    'NAME' VARCHAR(20)  
);
```

## USER

```
CREATE TABLE USER (  
    'ID' INT PRIMARY KEY,  
    'NAME' VARCHAR(20),  
    'BOOK_NAME' VARCHAR(20) FOREIGN KEY  
        REFERENCES Books(TITLE));
```

## Select A Book

```
SELECT * FROM BOOK  
WHERE TITLE = 'BOOK-NAME';
```

## GET BOOK DETAILS BORROWED BY A USER

```
SELECT * FROM BOOK  
WHERE TITLE IN (  
SELECT BOOK-NAME FROM USER  
WHERE 'NAME' = 'USER-NAME');
```

DELETE A SPECIFIC BOOK (ASSUMING ON DELETE  
SET NULL FOR THE USER'S BOOK-NAME FIELD)

```
DELETE * FROM BOOK  
WHERE TITLE = 'BOOK-NAME';
```

## ALTER TABLE

```
ALTER TABLE USER  
ADD EMAIL varchar(20);
```