

Sumedh ahire  
FYMCA-B 03  
BATCH 1  
ASSIGNMENT 2

CODE:

```
CREATE TABLE Book (  
  BookID INT PRIMARY KEY AUTO_INCREMENT,  
  Title VARCHAR(255) NOT NULL,  
  AuthorID INT NOT NULL,  
  ISBN VARCHAR(13) UNIQUE,  
  PublicationYear INT,  
  FOREIGN KEY (AuthorID) REFERENCES Author(AuthorID)  
);
```

```
CREATE TABLE Author (  
  AuthorID INT PRIMARY KEY AUTO_INCREMENT,  
  Name VARCHAR(255) NOT NULL  
);
```

```
CREATE VIEW AvailableBooks AS  
SELECT BookID, Title, Name AS AuthorName  
FROM Book  
INNER JOIN Author ON Book.AuthorID = Author.AuthorID;
```

```
SELECT * FROM AvailableBooks;  
OUTPUT:
```

```
+-----+-----+-----+  
| BookID | Title                | AuthorName |  
+-----+-----+-----+  
| 1      | The Lord of the Rings | J.R.R. Tolkien |  
| 2      | The Hobbit            | J.R.R. Tolkien |  
+-----+-----+-----+
```