

<https://app.diagrams.net/#G1VCwVJ0YEPNCN3FhzfjimiDJRMnHLLPI9>

```
CREATE TABLE `dblibrary`.`book` (  
  `ISBN` VARCHAR(35) NOT NULL,  
  `title` VARCHAR(45) NOT NULL,  
  `genre` VARCHAR(45) NOT NULL,  
  `Rating` VARCHAR(45) NOT NULL,  
  `authorID` VARCHAR(45) NOT NULL,  
  `authorName` VARCHAR(45) NOT NULL,  
  `published` VARCHAR(45) NOT NULL,  
  `dob` VARCHAR(45) NOT NULL,  
  PRIMARY KEY (`ISBN`));
```

```
CREATE TABLE `dblibrary`.`author` (  
  `authorID` INT NOT NULL,  
  `name` VARCHAR(45) NOT NULL,  
  `dob` VARCHAR(15) NOT NULL,  
  PRIMARY KEY (`authorID`));
```

```
CREATE TABLE `dblibrary`.`writtenBy` (  
  `ISBN` VARCHAR(30) NOT NULL,  
  `authorID` INT NOT NULL,  
  PRIMARY KEY (`ISBN`, `authorID`),  
  INDEX `authorID_idx` (`authorID` ASC) VISIBLE,  
  CONSTRAINT `authorID`  
    FOREIGN KEY (`authorID`)  
    REFERENCES `dblibrary`.`author` (`authorID`)  
    ON DELETE CASCADE  
    ON UPDATE RESTRICT,  
  CONSTRAINT `ISBN`  
    FOREIGN KEY (`ISBN`)  
    REFERENCES `dblibrary`.`book` (`ISBN`)  
    ON DELETE CASCADE  
    ON UPDATE RESTRICT);
```

```
INSERT INTO `dblibrary`.`book` (`ISBN`, `title`, `genre`, `Rating`, `authorID`, `authorName`,  
  `published`, `dob`) VALUES ('123', 'Harry', 'HORROR', '5', '1', 'JK', '12-02-2009',  
  '21-02-1970');
```

```
INSERT INTO `dblibrary`.`author` (`authorID`, `name`, `dob`) VALUES ('1', 'JK',  
  '21-02-1970');
```

```
INSERT INTO `dblibrary`.`writtenBy` (`authorID`, `ISBN`) VALUES ('1', '123');
```