**DDL Statements**

create database BooksShop;

use BooksShop;

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create table Author

( iAuthorId int identity (1,1) not null,

cAuthorName char(20) not null,

dDateOfBirth date,

cState char(20),

cCity char(20),

iPhone bigint null unique

);

alter table Author

add primary key (iAuthorId);

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create table Publisher

(

iPublisherId int identity (1,1) not null,

cPublisherName char(20) not null,

dDateOfBirth date,

cState char(20),

cCity char(20),

iPhone bigint null unique

);

alter table Publisher

add primary key (iPublisherId);

CREATE TABLE Category

(

iCategoryId int identity(1,1) not null,

cCategoryName char(20) not null,

cDescription char(20)

);

alter table Category

add primary key (iCategoryId);

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create table Book

(

iBookId int identity(1,1) not null,

cTitle char(20) not null,

vDescription char(20),

iPrice int,

iISBN bigint not null unique,

dPublicationDate date,

cImage char(10),

iCategoryId int not null,

iPublisherId INT not null,

);

drop table Book;

alter table Book

add primary key (iBookId);

alter table Book

add foreign key (iCategoryId) references Category(iCategoryId);

alter table Book

add foreign key (iPublisherId) references Publisher(iPublisherId);

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create table Orders

(

iOrderId int identity(1,1) not null,

dDate date,

iQuantity int,

iUnitPrice int,

cShippingAddress char(20),

iBookId int

);

alter table Orders

add primary key (iOrderId);

alter table Orders

add foreign key (iBookId) references Book(iBookId);

---------------------------------------------------------------------------------

create table AuthorIdBookId

(

iAuthorId int not null,

iBookId int not null

);

alter table AuthorIdBookId

add primary key (iAuthorId,iBookId);

alter table AuthorIdBookId

add foreign key (iBookId) references Book(iBookId);

alter table AuthorIdBookId

add foreign key (iAuthorId) references Author(iAuthorId);