

create database book_dealer;

use book_dealer;

CREATE TABLE author1 (

author1_id INT,

author1_name VARCHAR(20),

author1_city VARCHAR(20),

author1_country VARCHAR(20),

PRIMARY KEY(author1_id));

CREATE TABLE publisher1 (

publisher1_id INT,

publisher1_name VARCHAR(20),

publisher1_city VARCHAR(20),

publisher1_country VARCHAR(20),

PRIMARY KEY(publisher1_id));

CREATE TABLE category1 (

category_id INT,

description VARCHAR(30),

PRIMARY KEY(category_id));

CREATE TABLE catalog1(

book_id INT,

book_title VARCHAR(30),

author1_id INT,

publisher1_id INT,

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category_id INT,  
year INT,  
price INT,  
PRIMARY KEY(book_id),  
FOREIGN KEY(author1_id) REFERENCES author1(author1_id),  
FOREIGN KEY(publisher1_id) REFERENCES publisher1(publisher1_id),  
FOREIGN KEY(category_id) REFERENCES category1(category_id) );
```

```
CREATE TABLE orderdetails1(  
order_id INT,  
book_id INT,  
quantity INT,  
PRIMARY KEY(order_id),  
FOREIGN KEY(book_id) REFERENCES catalog1(book_id));
```

```
INSERT INTO author1  
(author1_id,author1_name,author1_city,author1_country) VALUES  
    (1001,'JK Rowling','London','England'),  
    (1002,'Chetan Bhagat','Mumbai','India'),  
    (1003,'John McCarthy','Chicago','USA'),  
    (1004,'Dan Brown','California','USA') ;
```

```
INSERT INTO publisher1  
(publisher1_id,publisher1_name,publisher1_city,publisher1_country)  
VALUES  
    (2001,'Bloomsbury','London','England'),  
    (2002,'Scholastic','Washington','USA'),
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(2003,'Pearson','London','England'),

(2004,'Rupa','Delhi','India') ;

INSERT INTO category1 (category_id,description) VALUES

(3001,'Fiction'),

(3002,'Non-Fiction'),

(3003,'thriller'),

(3004,'action'),

(3005,'fiction') ;

INSERT INTO catalog1

(book_id,book_title,author1_id,publisher1_id,category_id,year,price)
VALUES

(4001,'HP and Goblet Of Fire',1001,2001,3001,2002,600),

(4002,'HP and Order Of Phoenix',1001,2002,3001,2005,650),

(4003,'Two States',1002,2004,3001,2009,65),

(4004,'3 Mistakes of my life',1002,2004,3001,2007,55),

(4005,'Da Vinci Code',1004,2003,3001,2004,450),

(4006,'Angels and Demons',1004,2003,3001,2003,350),

(4007,'Artificial Intelligence',1003,2002,3002,1970,500) ;

INSERT INTO orderdetails1 (order_id,book_id,quantity) VALUES

(5001,4001,5),

(5002,4002,7),

(5003,4003,15),

(5004,4004,11),

(5005,4005,9),

(5006,4006,8),

(5007,4007,2),

(5008,4004,3) ;

**select a.author1_id,a.author1_city,a.author1_name,a.author1_city
from author1 a join catalog1 c on a.author1_id=c.author1_id where
year>2000**

**and c.author1_id in(select c.author1_id from catalog1 having
count(c.author1_id)>2 and price>500);**

**select a.author1_id from author1 a join catalog1 c on
a.author1_id=c.author1_id join orderdetails1 o on c.book_id=o.book_id
having max(o.quantity);**

select * from catalog1;






update catalog1 set price=(0.1*price)+price where publisher1_id=2001;

select * from catalog1;

TABLES:

90 • `select * from orderdetails1;`

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Result Grid   Filter Rows: Edit:   

	order_id	book_id	quantity
▶	5001	4001	5
	5002	4002	7
	5003	4003	15
	5004	4004	11
	5005	4005	9
	5006	4006	8
	5007	4007	2
	5008	4004	3

orderdetails121 x

90 • `select * from CATEGORY1;`

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Result Grid   Filter Rows: Edit:  

	category_id	description
▶	3001	Fiction
	3002	Non-Fiction
	3003	thriller
	3004	action
	3005	fiction
*	NULL	NULL

90 • `select * from PUBLISHER1;`

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Result Grid   Filter Rows: Edit:    Export/Import:   Wrap Cell Cor

	publisher1_id	publisher1_name	publisher1_city	publisher1_country
▶	2001	Bloomsbury	London	England
	2002	Scholastic	Washington	USA
	2003	Pearson	London	England
	2004	Rupa	Delhi	India
*	NULL	NULL	NULL	NULL

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87 • `select * from catalog1;`

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Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

	book_id	book_title	author1_id	publisher1_id	category_id	year	price
▶	4001	HP and Goblet Of Fire	1001	2001	3001	2002	600
	4002	HP and Order Of Phoenix	1001	2002	3001	2005	650
	4003	Two States	1002	2004	3001	2009	65
	4004	3 Mistakes of my life	1002	2004	3001	2007	55
	4005	Da Vinci Code	1004	2003	3001	2004	450
	4006	Angels and Demons	1004	2003	3001	2003	350
	4007	Artificial Intelligence	1003	2002	3002	1970	500
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL

catalog1 15 x

90 • `select * from AUTHOR1;`

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Result Grid | Filter Rows: | Edit: | Export/Import

	author1_id	author1_name	author1_city	author1_country
▶	1001	JK Rowling	London	England
	1002	Chetan Bhagat	Mumbai	India
	1003	John McCarthy	Chicago	USA
	1004	Dan Brown	California	USA
•	NULL	NULL	NULL	NULL

QUERIES OUTPUTS:

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70 • `select a.author1_id,a.author1_city,a.author1_name,a.author1_city from author1 a join catalog1 c on a.author1_id=c.author1_id where year>2000`

71 `and c.author1_id in(select c.author1_id from catalog1 having count(c.author1_id)>2 and price>500);`

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Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	author1_id	author1_city	author1_name	author1_city
▶	1001	London	JK Rowling	London
	1001	London	JK Rowling	London

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