Book Dealer Database

AUTHOR TABLE:

Field	Type	Null	Key	Default	Extra
author_id	int	NO	PRI	NULL	
author_name	varchar(20)	YES		NULL	
author_city	varchar(20)	YES		NULL	
author_country	varchar(20)	YES		NULL	

AUTHOR TABLE VALUES:

author_id	author_name	author_city	author_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

PUBLISHER TABLE:

Field	Type	Null	Key	Default	Extra
publisher_id	int	NO	PRI	NULL	
publisher_name	varchar(20)	YES		NULL	
publisher_city	varchar(20)	YES		NULL	
publisher_country	varchar(20)	YES		NULL	

PUBLISHER TABLE VALUES:

publisher_id	publisher_name	publisher_city	publisher_country
101	Bloomsbury	London	England
102	Scholastic	Washington	USA
103	Pearson	London	England
104	Rupa	Delhi	India
NULL	NULL	NULL	NULL

CATEGORY TABLE:

Field	Type	Null	Key	Default	Extra
category_id	int	NO	PRI	NULL	
description	varchar(30)	YES		NULL	

Book Dealer Database

CATEGORY TABLE VALUES:

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

CATALOG TABLE:

Field	Type	Null	Key	Default	Extra
book_id	int	NO	PRI	NULL	
book_title	varchar(30)	YES		NULL	
author_id	int	YES	MUL	NULL	
publisher_id	int	YES	MUL	NULL	
category_id	int	YES	MUL	NULL	
year	int	YES		NULL	
price	int	YES		NULL	

CATALOG TABLE VALUES:

book_id	book_title	author_id	publisher_id	category_id	year	price
4001	HP and Goblet Of Fire	1001	101	3001	2002	600
4002	HP and Order Of Phoenix	1001	102	3001	2005	650
4003	Two States	1002	104	3001	2009	65
4004	3 Mistakes of my life	1002	104	3001	2007	55
4005	Da Vinci Code	1004	103	3001	2004	450
4006	Angels and Demons	1004	103	3001	2003	350
4007	Artificial Intelligence	1003	102	3002	1970	500
NULL	NULL	NULL	NULL	NULL	NULL	NULL

ORDER_DETAILS TABLE:

Field	Type	Null	Key	Default	Extra
order_id	int	NO	PRI	NULL	
book_id	int	YES	MUL	NULL	
quantity	int	YES		NULL	

Book Dealer Database

ORDER_DETAILS TABLE VALUES:

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
NULL	NULL	NULL

QUERIES:

01.   Select .author_id, a.author_city, a.author_name, a.author_city from author a join catalog c on a.author_id = c.author_id where year > 2000 and c.author_id in (select c.author_id from catalog having count(c.author_id)>2 and price>500);

author_id	author_city	author_name	author_city
1001	London	JK Rowling	London
1001	London	JK Rowling	London

02.   select a.author_id from author a join catalog c on a.author_id = c.author_id join orderdetails o on c.book_id = o.book_id having max (o.quantity);

author_id
1001

03.   Select * from catalog;

book_id	book_title	author_id	publisher_id	category_id	year	price
4001	HP and Goblet Of Fire	1001	101	3001	2002	600
4002	HP and Order Of Phoenix	1001	102	3001	2005	650
4003	Two States	1002	104	3001	2009	65
4004	3 Mistakes of my life	1002	104	3001	2007	55
4005	Da Vinci Code	1004	103	3001	2004	450
4006	Angels and Demons	1004	103	3001	2003	350
4007	Artificial Intelligence	1003	102	3002	1970	500
NULL	NULL	NULL	NULL	NULL	NULL	NULL

Book Dealer Database

update catalog set price = (0.1*price)+price where publisher_id = 2001;

book_id	book_title	author_id	publisher_id	category_id	year	price
4001	HP and Goblet Of Fire	1001	101	3001	2002	600
4002	HP and Order Of Phoenix	1001	102	3001	2005	650
4003	Two States	1002	104	3001	2009	65
4004	3 Mistakes of my life	1002	104	3001	2007	55
4005	Da Vinci Code	1004	103	3001	2004	450
4006	Angels and Demons	1004	103	3001	2003	350
4007	Artificial Intelligence	1003	102	3002	1970	500
NULL	NULL	NULL	NULL	NULL	NULL	NULL