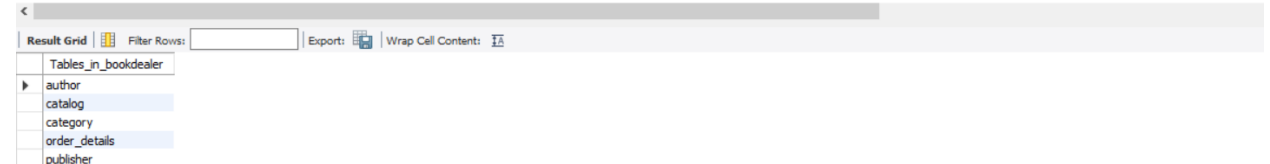


BOOK DEALER DATABASE

OUTPUT:-

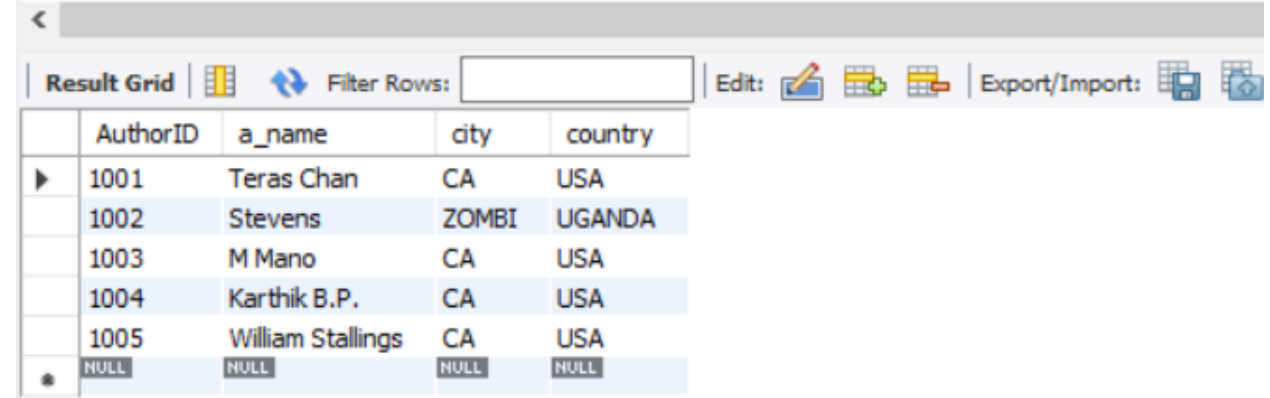
Show tables:-

```
5 create table author(authorID int, a_name varchar(30), city varchar(20), country varchar(20), primary key(authorID));
6 create table publisher(publisherID int, p_name varchar(30), city varchar(20), country varchar(20), primary key(publisherID));
7 create table category(categoryID int, description varchar(50), primary key(categoryID));
8 create table catalog(bookID int, title varchar(30), AuthorID int, publisherID int, categoryID int, year int, price int,
9 foreign key(publisherID) references publisher(publisherID) on delete cascade, foreign key(categoryID) references category(categoryID) on delete cascade,
10 primary key(bookID));
11 create table order_details(orderNo int, bookID int, quantity int, primary key(orderNo), foreign key(bookID) references catalog(bookID) on delete cascade);
12
13 show tables;
```



Select * from author







```
15 insert into author values(1001, "Teras Chan", "CA", "USA");
16 insert into author values(1002, "Stevens", "ZOMBI", "UGANDA");
17 insert into author values(1003, "M Mano", "CA", "USA");
18 insert into author values(1004, "Karthik B.P.", "CA", "USA");
19 insert into author values(1005, "William Stallings", "CA", "USA");
20
21 select * from author;
```



AuthorID	a_name	city	country
1001	Teras Chan	CA	USA
1002	Stevens	ZOMBI	UGANDA
1003	M Mano	CA	USA
1004	Karthik B.P.	CA	USA
1005	William Stallings	CA	USA
NULL	NULL	NULL	NULL





Select * from publisher

```
23 insert into publisher values(1, "Pearson", "NEW YORK", "USA");
24 insert into publisher values(2, "EEE", "NEW SOUTH WALES", "USA");
25 insert into publisher values(3, "PHI", "DELHI", "INDIA");
26 insert into publisher values(4, "Willey", "BERLIN", "GERMANY");
27 insert into publisher values(5, "MGH", "NEW YORK", "USA");
28
29 select * from publisher;
```

<				
Result Grid  Filter Rows: <input type="text"/> Edit:    Export/Import:  				
	publisherID	p_name	city	country
▶	1	Pearson	NEW YORK	USA
	2	EEE	NEW SOUTH WALES	USA
	3	PHI	DELHI	INDIA
	4	Willey	BERLIN	GERMANY
	5	MGH	NEW YORK	USA
*	NULL	NULL	NULL	NULL

Select * from

```
31 insert into category values(1001, "COMPUTER SCIENCE");
32 insert into category values(1002, "ALGORITHM DESIGN");
33 insert into category values(1003, "ELECTRONICS");
34 insert into category values(1004, "PROGRAMMING");
35 insert into category values(1005, "OPERATING SYSTEMS");
36
37 select * from category;
```

<			
Result Grid  Filter Rows: <input type="text"/> Edit:    Export/Im			
	categoryID	description	
▶	1001	COMPUTER SCIENCE	
	1002	ALGORITHM DESIGN	
	1003	ELECTRONICS	
	1004	PROGRAMMING	
	1005	OPERATING SYSTEMS	
*	NULL	NULL	

Select * from catalog

```
39  insert into catalog values(11, "Unix System Programming", 1001, 1, 1001, 2000, 251);
40  insert into catalog values(12, "Digital Signals", 1002, 2, 1003, 2001, 425);
41  insert into catalog values(13, "Logic Design", 1003, 3, 1002, 1999, 225);
42  insert into catalog values(14, "Server Programming", 1004, 4, 1004, 2001, 333);
43  insert into catalog values(15, "Linux OS", 1005, 5, 1005, 2003, 326);
44  insert into catalog values(16, "C++ Bible", 1005, 5, 1001, 2000, 526);
45  insert into catalog values(17, "COBOL Handbook", 1004, 4, 1001, 2000, 658);
46
47  select * from catalog;
```

bookID	title	AuthorID	publisherID	categoryID	year	price
11	Unix System Programming	1001	1	1001	2000	251
12	Digital Signals	1002	2	1003	2001	425
13	Logic Design	1003	3	1002	1999	225
14	Server Programming	1004	4	1004	2001	333
15	Linux OS	1005	5	1005	2003	326
16	C++ Bible	1005	5	1001	2000	526
17	COBOL Handbook	1004	4	1001	2000	658
NULL	NULL	NULL	NULL	NULL	NULL	NULL

Select * from order details

```

49     insert into order_details values(1, 11, 5);
50     insert into order_details values(2, 12, 8);
51     insert into order_details values(3, 13, 15);
52     insert into order_details values(4, 14, 22);
53     insert into order_details values(5, 15, 3);
54 •   insert into order_details values(6, 17, 10);
55
56 •   select * from order_details;

```

Result Grid			
Filter Rows:			
	orderNo	bookID	quantity
▶	1	11	5
	2	12	8
	3	13	15
	4	14	22
	5	15	3
	6	17	10
•	NULL	NULL	NULL

Query 1 :-

```

62 •   select * from author right join catalog on author.AuthorID=catalog.AuthorID where year > 2000 group by catalog.AuthorID having count(*)>2;

```

Result Grid										
Filter Rows:										
AuthorID	a_name	city	country	bookID	title	AuthorID	publisherID	categoryID	year	price

Query 2:-

```

66 •   select a_name from author inner join catalog on author.AuthorID=catalog.AuthorID and bookID in (select bookID from order_details where quantity = (select max(quantity)

```

Result Grid										
Filter Rows:										
Export:										
Wrap Cell Content:										
a_name										
▶ Karthik B.P.										

Query 3:-

[illegible]