LAB 2 PART II
DBS

Submitted to:-

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Submitted by:-

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Reg no:-

2023-BSE-016

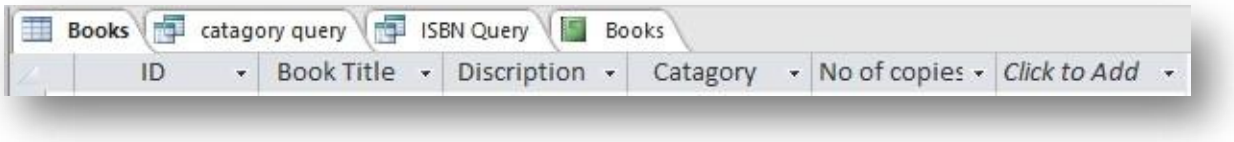
Section:-

4 A

TASKS:

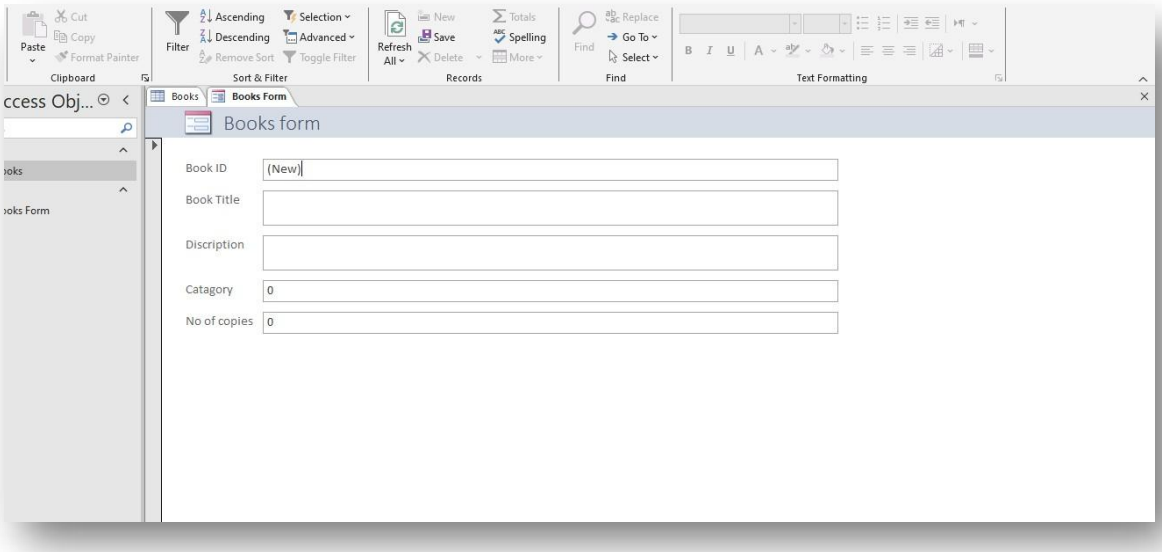
1. You need to create a database for a public library to store book details. For this, create a blank database and save it.
2. Create a table called "**Books**" with the following fields.

Field Name	Type	Field size	Constraints
ID	Number		Primary Key
Title	Text field	50 characters	
Description	Text field	30 characters	
Category	Number		
No of Copies	Number		



3. Create a form to enter details about books and save it as "**Books Form**".

Goto form option in create tab.

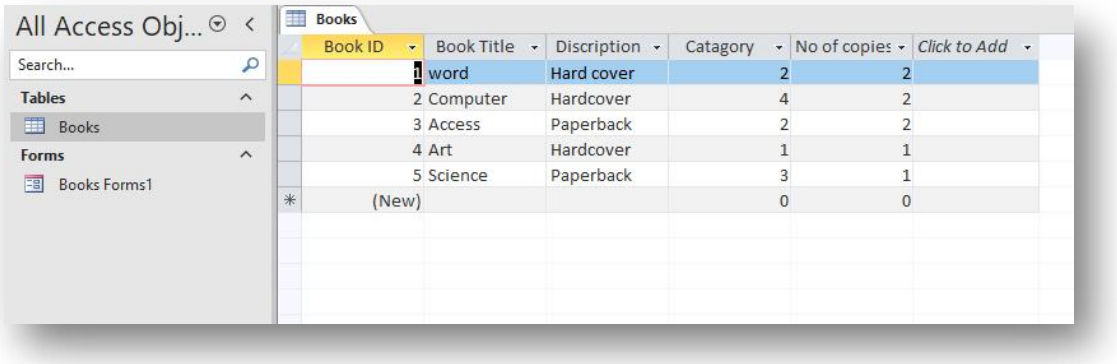


4. Add following records to the "**Books**" table using the "**Books Form**".

ID	Title	Description	Category	No of copies
1	Word	Hard Cover	2	2
2	Computers	Hard Cover	4	2
3	Access	Paperback	2	2
4	Art	Hard Cover	1	1
5	Science	Paperback	3	1

Book Copies | Books

ID	Title	Description	Category	No of Copies	Click to Add
1	Word	Hard Cover	2	2	
2	Computers	Hard Cover	4	2	
3	Access	Paperback	2	2	
4	Art	Hard Cover	1	1	
5	Science	Paperback	3	1	
(New)			0	0	



5. Create another table called "**Book Copies**" with the following fields.

Field Name	Type
ID	Number
Book_ID	Number
ISBN	Number
Version	Number

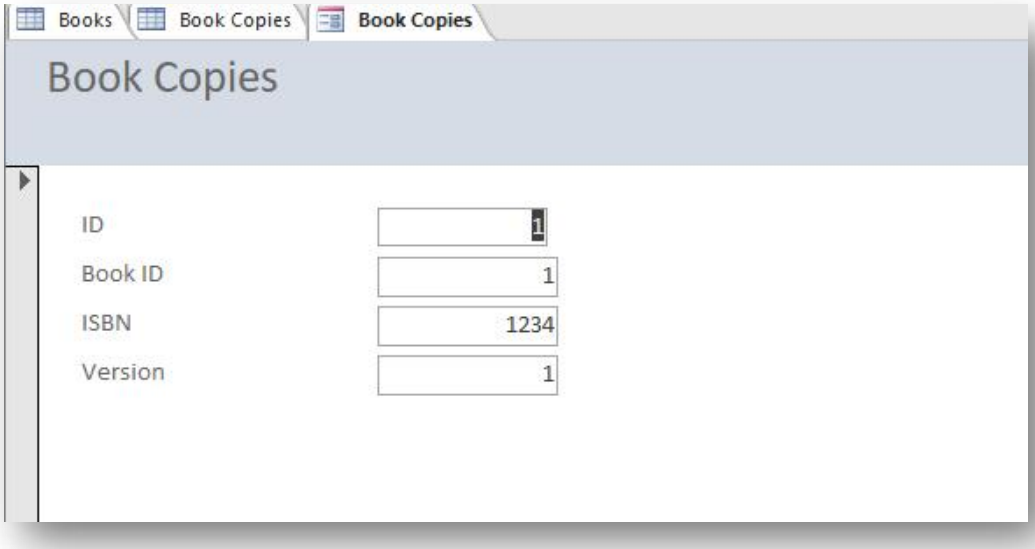
Book Copies | Books

ID	Book_ID	ISBN	Version	Click to Add

7. Create a form to enter details about books and save it as "**Book Copies Form**".

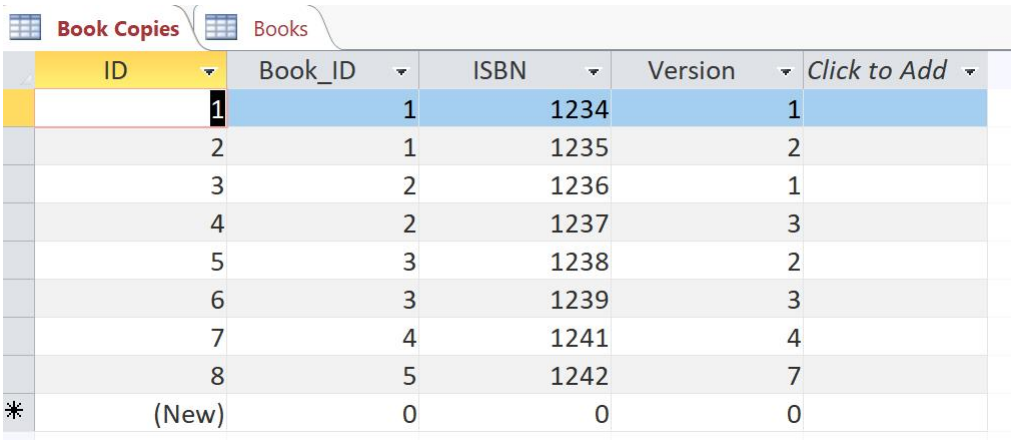
Goto form option in Create tab.

Book Copies
ID
(New)
Book ID
0
ISBN
0
Version
0


Books
Book Copies
Book Copies
Book Copies
ID
1
Book ID
1
ISBN
1234
Version
1

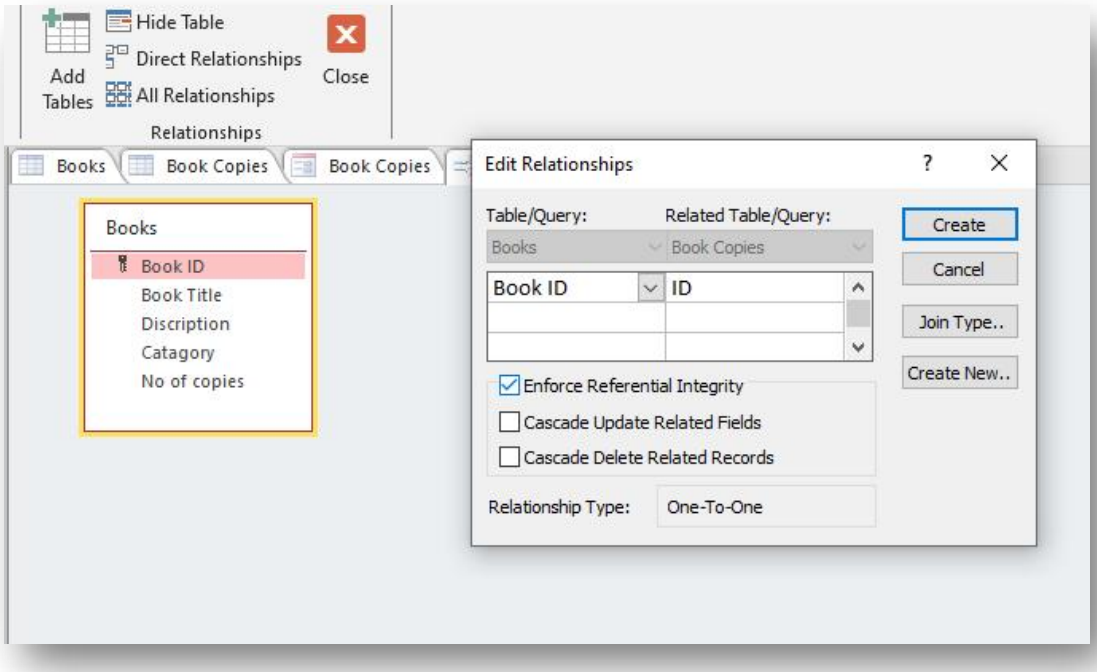
8. Insert following records to the "**Book Copies**" table using "**Book Copies Form**".

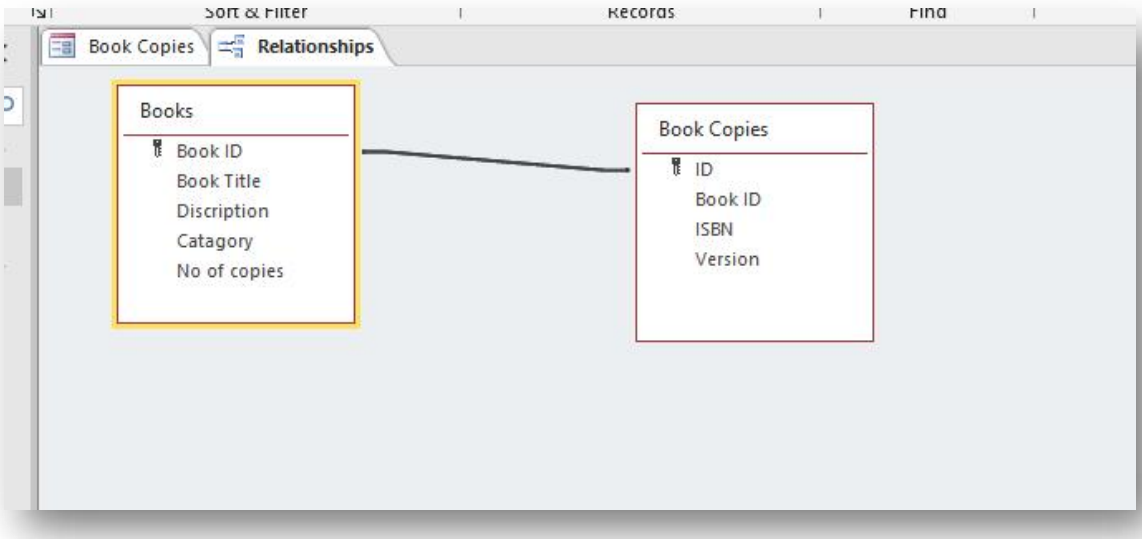
ID	Book_ID	ISBN	Version
1	1	1234	1
2	1	1235	2
3	2	1236	1
4	2	1237	3
5	3	1238	2
6	3	1239	3
7	4	1241	4
8	5	1242	7

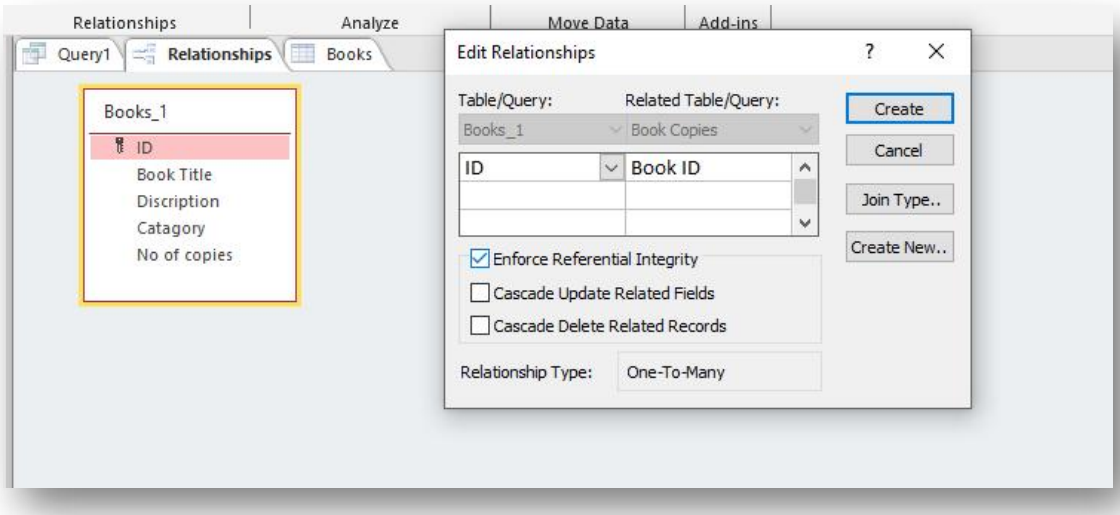


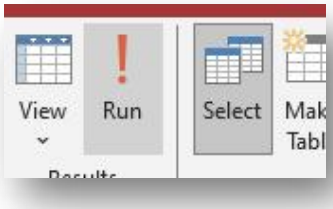
9. Establish the Relationship between "**Books**" and "**Book Copies**" tables.

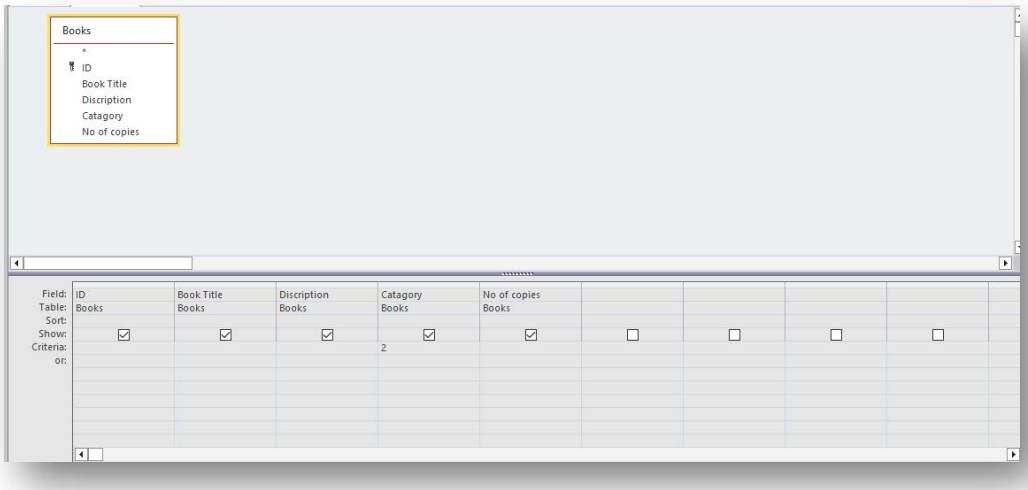
Goto Relationship option in Database Tools tab.


Add Tables
Hide Table
Direct Relationships
All Relationships
Close
Relationships
Books
Book Copies
Book Copies
Books
Book ID
Book Title
Discription
Catagory
No of copies
Edit Relationships
Table/Query:
Related Table/Query:
Books
Book Copies
Book ID
ID
Create
Cancel
Join Type..
Create New..
Enforce Referential Integrity
Cascade Update Related Fields
Cascade Delete Related Records
Relationship Type:
One-To-One

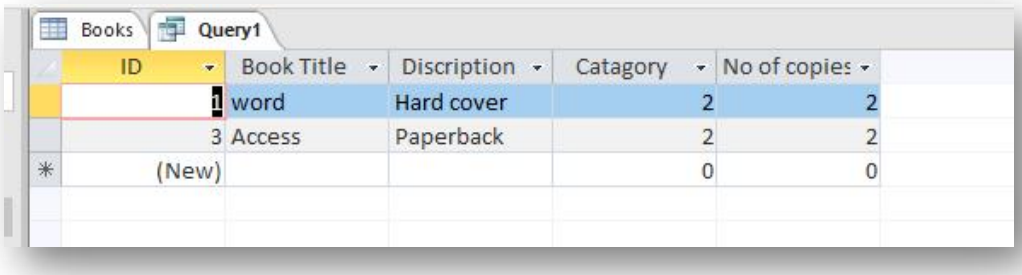

Sort & Filter
Records
Find
Book Copies
Relationships
Books
Book ID
Book Title
Discription
Catagory
No of copies
Book Copies
ID
Book ID
ISBN
Version

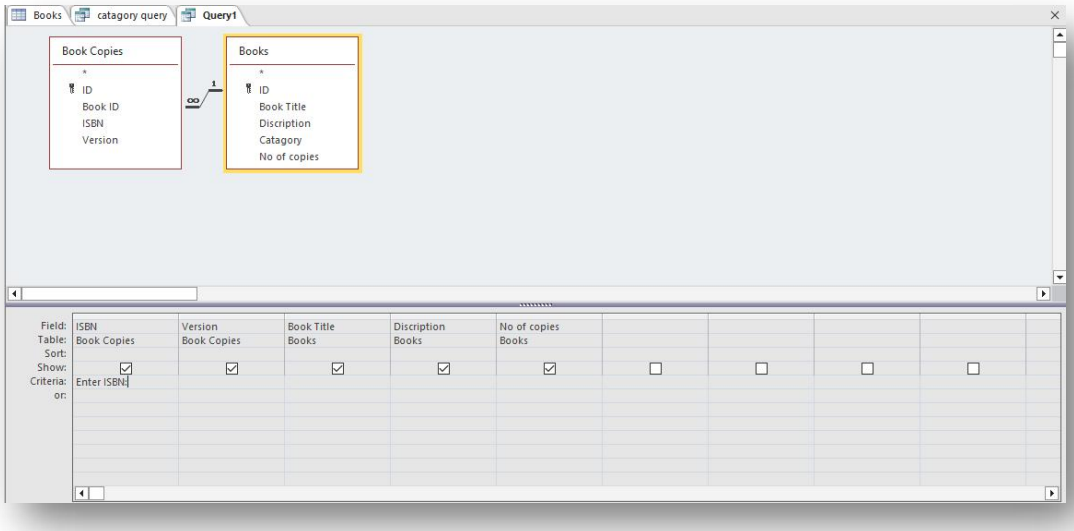

Relationships
Analyze
Move Data
Add-ins
Query1
Relationships
Books
Books_1
ID
Book Title
Discription
Catagory
No of copies
Edit Relationships
Table/Query:
Related Table/Query:
Books_1
Book Copies
ID
Book ID
Create
Cancel
Join Type..
Create New..
Enforce Referential Integrity
Cascade Update Related Fields
Cascade Delete Related Records
Relationship Type:
One-To-Many


View
Run
Select
Mak
Tabl

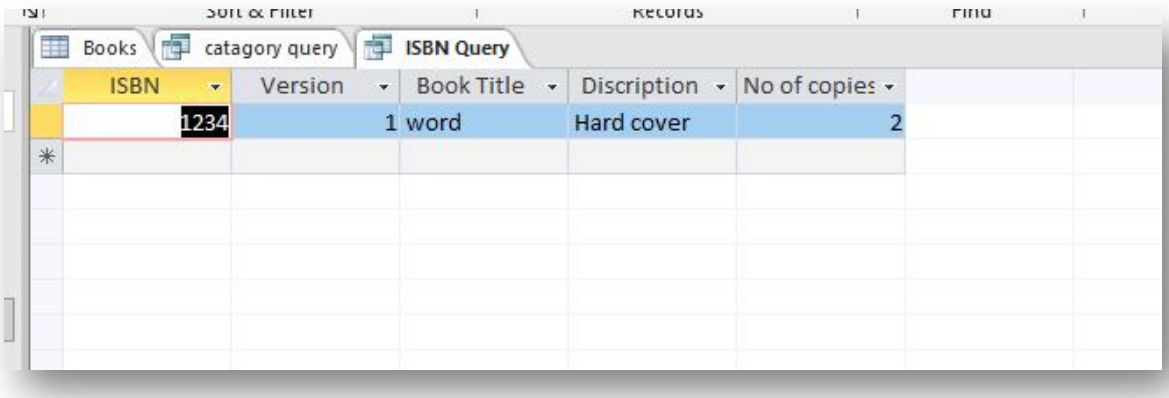

Books
ID
Book Title
Discription
Catagory
No of copies
Field:
Table:
Sort:
Show:
Criteria:
or:
ID
Book Title
Discription
Catagory
No of copies
Books

10. Write a query called "**Query_Book category**" to display all books which belongs to given category; E.g. Category 02.



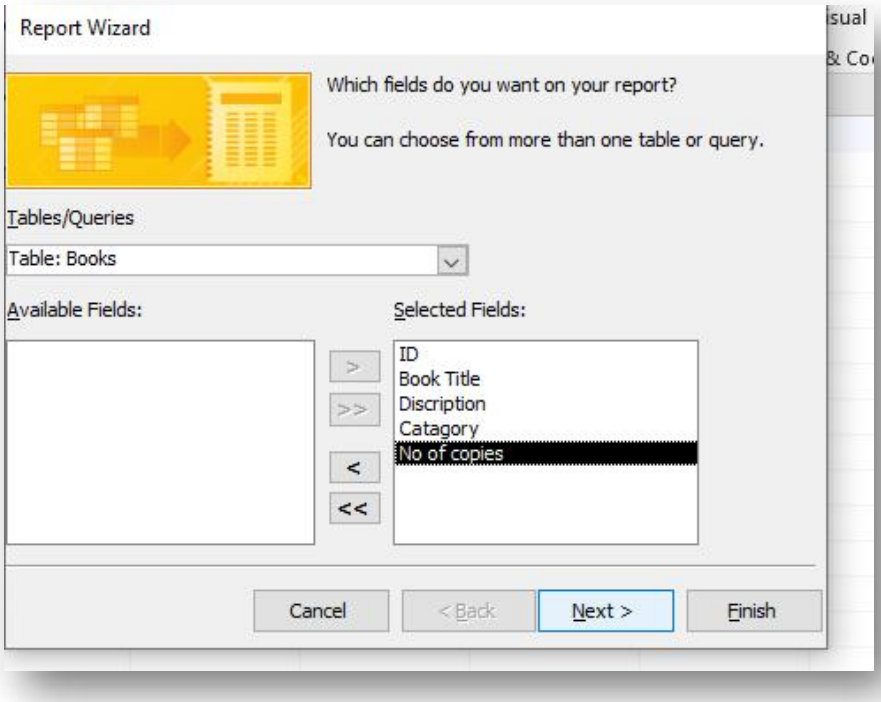


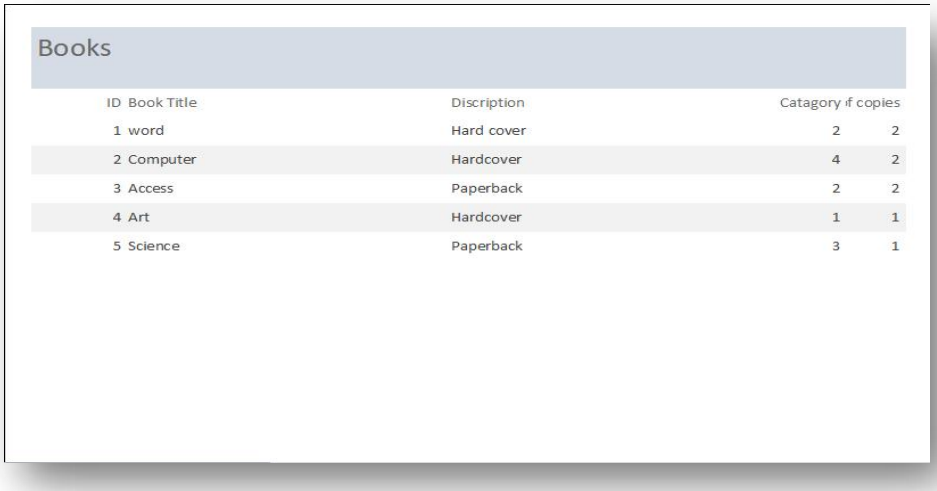
11. Write a query called "**Query_Book ISBN**" to display book details which belongs to given ISBN. Book Detail include ISBN, Version, Title, Description, Number of Copies



12. Create a report called "**Book Details**" using the following format and save it.

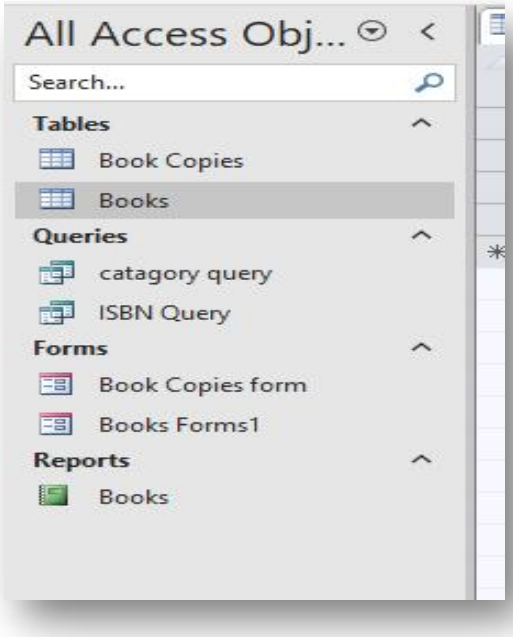
Goto report design in Create tab.



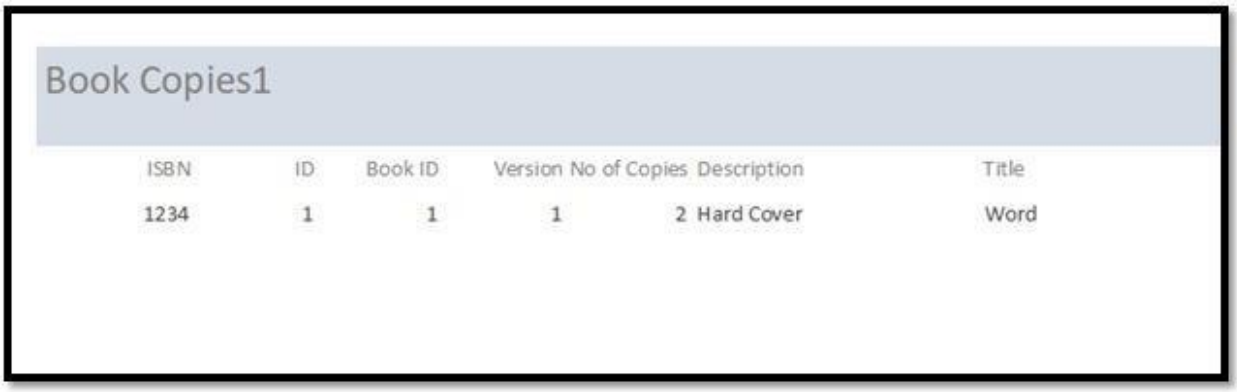


Books

ID	Book Title	Discription	Catagory	if copies
1	word	Hard cover	2	2
2	Computer	Hardcover	4	2
3	Access	Paperback	2	2
4	Art	Hardcover	1	1
5	Science	Paperback	3	1



13. Create a report called "**Book Details ISBN**" of query "**Query_Book ISBN**" using report wizard.



Book Copies1

ISBN	ID	Book ID	Version No of Copies	Description	Title
1234	1	1	1	2 Hard Cover	Word

14. Save your database again

Go to Save As option in File tab and save the database.