



**Fatima Jinnah Women University**

Department of Software Engineering

# LAB 2

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**Reg. no:** 2020-BSE-024

**Section:** A

**Semester:** Fourth

**Course:** Data Base (LAB)

# 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	Data Type
ID	Number
Title	Short Text
Description	Short Text
Category	Number
No of copies	Number

General	
Field Size	Long Integer
Format	
Decimal Places	Auto
Input Mask	
Caption	
Default Value	0
Validation Rule	
Validation Text	
Required	Yes
Indexed	Yes (No Duplicates)
Text Align	General

3. Create a form to enter details about books and save it as “Books Form”.
4. Add following records to the “Books” table using the “Books Form”.

ID	1
Title	word
Description	hard cover
Category	2
No of copies	2

All Access Objects << Search...

Tables

- Book Copies
- BOOKS

Forms

- Book Copies Forum
- BOOKS Form

BOOKS Form

BOOKS

ID: 2

Title: computer

Description: hard cover

Category: 4

No of copies: 2

All Access Objects << Search...

Tables

- Book Copies
- BOOKS

Forms

- Book Copies Forum
- BOOKS Form

BOOKS Form

BOOKS

ID: 3

Title: Access

Description: paperback

Category: 2

No of copies: 2

All Access Objects << Search...

Tables

- Book Copies
- BOOKS

Forms

- Book Copies Forum
- BOOKS Form

BOOKS Form

BOOKS

ID: 4

Title: Art

Description: hard cover

Category: 1

No of copies: 1

All Access Objects << Search...

Tables

- Book Copies
- BOOKS

Forms

- Book Copies Forum
- BOOKS Form

BOOKS Form

BOOKS

ID: 5

Title: Science

Description: paperback

Category: 3

No of copies: 1



6. Identify the Primary Key(s) of this table (if there is any).
7. Create a form to enter details about books and save it as “Book Copies Form”.
8. Insert following records to the “Book Copies” table using “Book Copies Form”.

The following table represents the data entered into the 'Book Copies' table across the five screenshots:

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

**All Access Objects**

Search...

**Tables**

- Book Copies
- BOOKS

**Forms**

- Book Copies Forum
- BOOKS Form

**Book Copies Forum**

**Book Copies**

ID: 6

Book\_ID: 3

ISBN: 1239

Version: 3

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**All Access Objects**

Search...

**Tables**

- Book Copies
- BOOKS

**Forms**

- Book Copies Forum
- BOOKS Form

**Book Copies Forum**

**Book Copies**

ID: 7

Book\_ID: 4

ISBN: 1241

Version: 4

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**All Access Objects**

Search...

**Tables**

- Book Copies
- BOOKS

**Forms**

- Book Copies Forum
- BOOKS Form

**Book Copies Forum**

**Book Copies**

ID: 8

Book\_ID: 5

ISBN: 1242

Version: 7

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**All Access Objects**

Search...

**Tables**

- Book Copies
- BOOKS

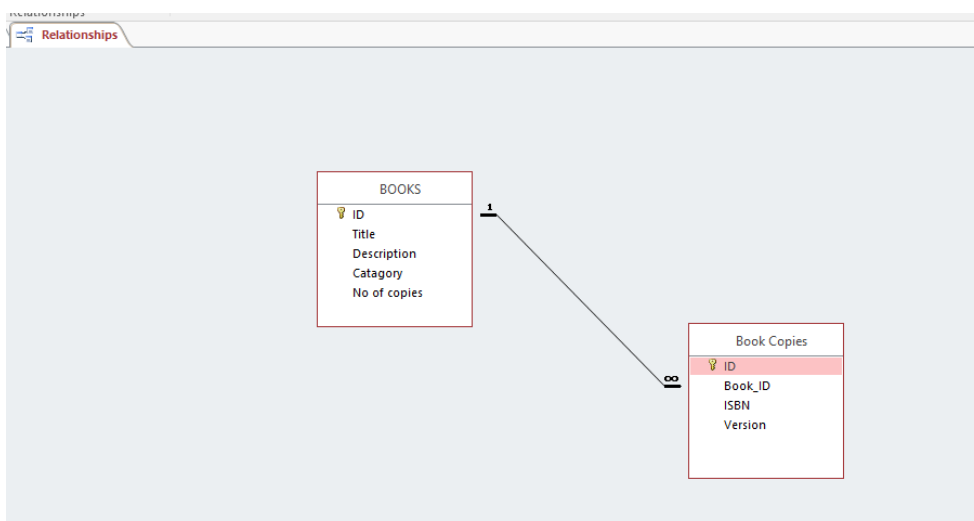
**Forms**

- Book Copies Forum
- BOOKS Form

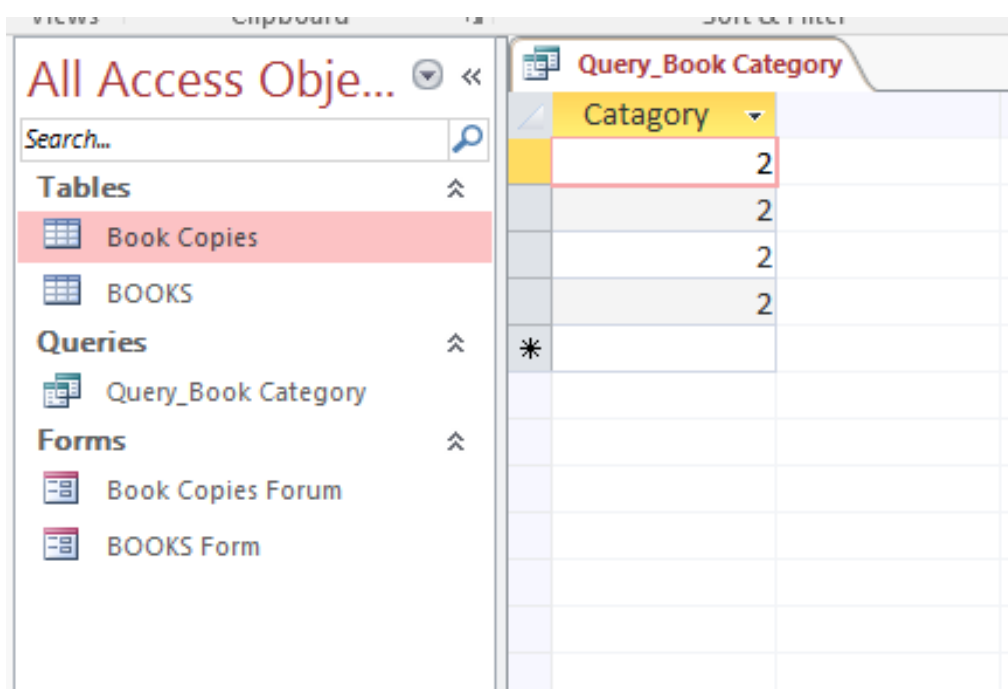
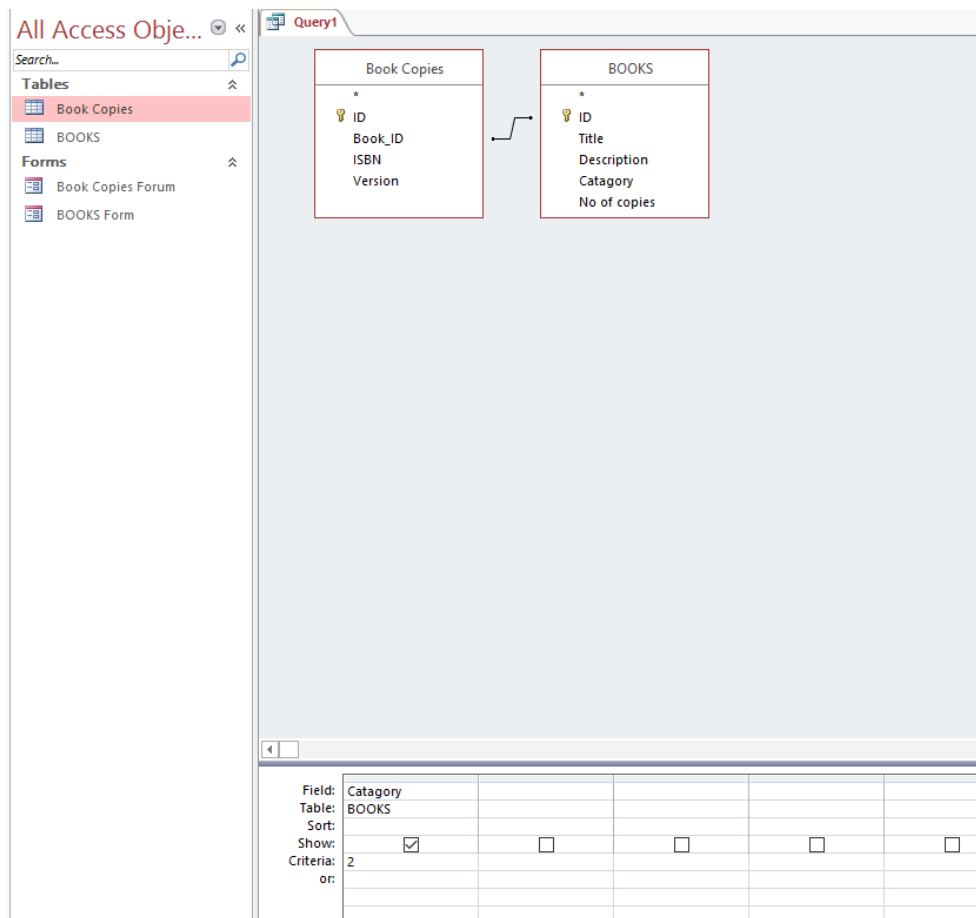
**Book Copies**

ID	Book_ID	ISBN	Version	Click to Add
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	
*	0	0	0	

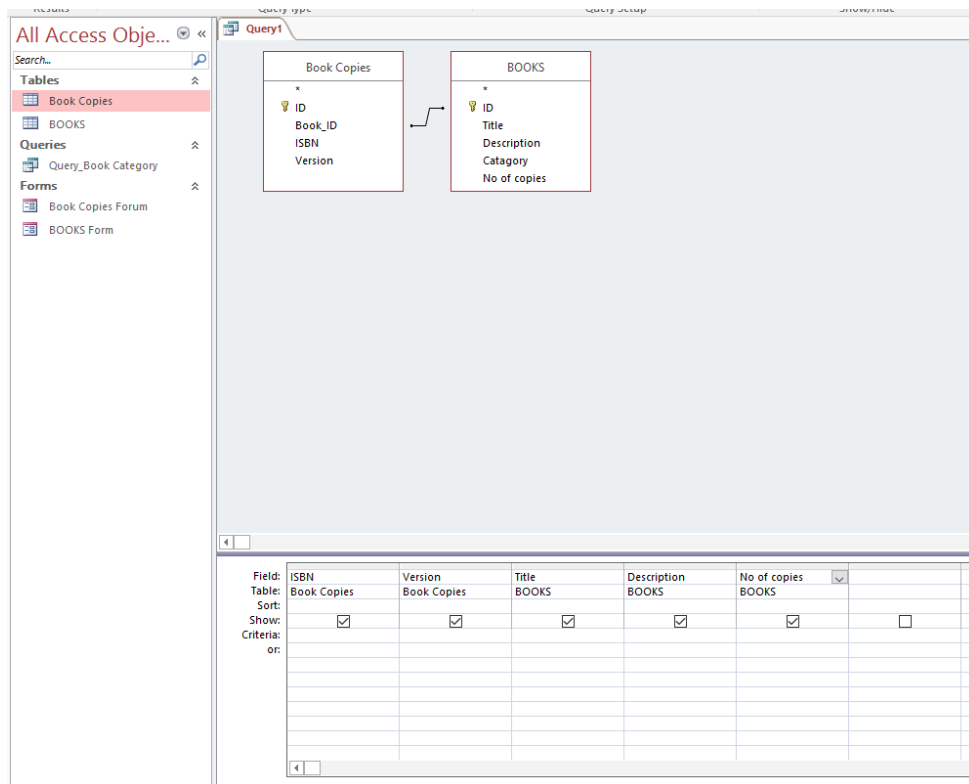
9. Establish the Relationship between “Books” and “Book Copies” tables.



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.



All Access Objects

Search...

Tables

- Book Copies
- BOOKS

Queries

- Query\_Book Category
- Query\_Book ISBN

Forms

- Book Copies Forum
- BOOKS Form

Query\_Book ISBN

ISBN	Version	Title	Description	No of copies
1234	1	word	hard cover	2
1235	2	word	hard cover	2
1236	1	computer	hard cover	2
1237	3	computer	hard cover	2
1238	2	Access	paperback	2
1239	3	Access	paperback	2
1241	4	Art	hard cover	1
1242	7	Science	paperback	1
*				



12. Create a report called “Book Details” using the following format and save it.

Title	Description	No of copies
word	hard cover	2
computer	hard cover	2
Access	paperback	2
Art	hard cover	1
Science	paperback	1

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13. Create a report called “Book Details ISBN” of query “Query\_Book ISBN” using report wizard.

ISBN	Version	Title	Description	of copies
1234	1	word	hard cover	2
1235	2	word	hard cover	2
1236	1	computer	hard cover	2
1237	3	computer	hard cover	2
1238	2	Access	paperback	2
1239	3	Access	paperback	2
1241	4	Art	hard cover	1
1242	7	Science	paperback	1