

MAKERERE UNIVERSITY BUSINESS SCHOOL
BACHLEOR OF BUSINESS ADMINISTRATION III 2025/2026
COURSE NAME: ADVANCED ICT

MS ACCESS LECTURE IV

The practical session is intended to achieve the following objectives;

- i. Create a database of two tables
 - ii. Design two tables
 - iii. Relate two tables
 - iv. Enter data using forms in the two tables
 - v. Query the two tables of the database
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Case Study

MUBS has put in place a simple library management system to keep track of the different books and their authors. An author can have a number of books but a book can only belong to one registered author. Use the sample data below to answer questions that follow

Books Table

BookSN	Book Title	Category	AuthorID	Price
SN01	Unmasking ICT	Computing	001	\$100
SN02	Data Processing	Computing	001	\$200
SN03	Networking	Computing	001	\$400
SN04	Marketing Principals	Marketing	005	\$600
SN05	Management	Management	005	\$700
SN06	Accounting I	Accounts	002	\$1000
SN07	French I	Catering	003	\$1200
SN08	Chinese I	Catering	003	\$500
SN09	Catering I	Catering	003	\$600
SN10	Administration	Management	005	\$800

Author Table

AuthorId	AuthorName	Address	Tel
001	Baguma	Kampala	0771234567
002	Kituyi	Mbale	0777891067
003	Kato	Masaka	0778123456
004	Amelia	Arua	0779123456
005	Nambi	Mukono	0775123456

Required

- a) Create a library management system in the created folder on the desktop
- b) Create the above two tables in your database assigning correct primary keys and data types for each field in the table.
- c) Create a lookup wizard for Author column in the books table.
- d) Create a relationship between the tables and enforce referential integrity
- e) Create forms for each of the table. Name the forms authorform and booksform respectively.
- f) Populate the tables with the sample data above.
- g) Create a query to show all authors whose names start with letter K. Name it K authors
- h) Create a query to show all authors whose name end with letter A. Name it A authors.
- i) Design a query which shows books whose price is below \$500 and name it cheap query.
- j) Design a query to show all books whose price is between \$600 and \$1200. Name it Moderate Books
- k) Design a query which shows all books by Baguma and Kityo in ascending order according to books title; name the query BK books.
- l) Generate a query for all the books and their authors in ascending order; name it general query.
- m) Create a report for the general query and name it general report.