MAKERERE UNIVERSITY BUSINESS SCHOOL
BACHELOR OF BUSINESS ADMINISTRATION
OF MAKERERE UNIVERSITY ACADEMIC YEAR 2025/2026

COURSE NAME: ADVANCED ICT
YEAR OF STUDY: THREE

LECTURE IV: CREATING, RELATING AND QUERYING TWO TABLES IN MS ACCESS

Case Study

Makerere University is in the process of computerizing its course to help manage records about programs electronically. In this system, a program can have many students admitted to it but a student can only be admitted to one program. You have been consulted on how existing Data about students and programs can be electronically kept safely. Use the Sample Data Given to answer the questions that follow;

Table: STUDENT

Student ID	Student Name	DOB	ProgramID
ST001	Christine Awa	25/08/1988	MUBS001
ST002	Moses Alule	13/11/1994	MUBS002
ST003	Nicola Awang	08/12/1989	MUBS003
ST004	Rahuman Baiti	12/02/1994	MUBS004
ST005	Sharon Ezatiru	05/01/1987	MUBS005
ST006	Gift Gloria	19/12/1985	MUBS006
ST007	Gerald Geria	21/05/1990	MUBS007
ST008	James Unzimai	08/04/1986	MUBS008
ST009	Jimmy Inziku	09/09/1980	MUBS002
ST010	Pato Mena	10/03/1995	MUBS006
ST011	Benard Ecoku	12/12/1992	MUBS001
ST012	Martha Kiden	09/09/1988	MUBS001

Table: PROGRAM

ProgramID	Program Name	Tuition Fee
MUBS001	Business Administration	1,300,000
MUBS002	Business Computing	1,500,000
MUBS003	Real Estate Management	900,000
MUBS004	Bachelor of Commerce	1,000,000

MUBS005	Science in Accounting	1700,000
MUBS006	Science in Finance	1400,000
MUBS007	Procurement & Logistics	700,000
MUBS008	Business Statistics	2,000,000

Required;

a) Create a database called "**Course Management system"** and save it in an appropriate folder
b) In design view, create the tables above with appropriate data types and save them with their respective names
c) Use lookup wizard appropriately
d) Assign primary keys to the two tables above
e) Assign UGX to the tuition Fees
f) Create a suitable relationship between the tables and enforce referential integrity
g) Create two input forms for the above tables called **"Student "** and **"Program Form "** respectively and use the forms to input the above sample data
h) Design a query to show all programs whose tuition is less than 900,000. Name it Less
i) Design a query to show all program whose tuition is above 1200,000. Name it greater
j) Design a query to show all programs whose Tuition fee is between 1000,000 and 1400,000
k) Create a query to show all students and sort the list in ascending order
l) Create a report for the above query. Call it general report
m) Design a query to show all students and their programs. Name it general query
n) Create a query to show students whose program is Business Administration
o) Design a query to show all students born after 10/12/1993. Name it young
p) Design a query to show all students born before 05/08/1990 whose program is Business Administration
q) Design a query to show programs whose cost is greater than 1000,000. Name it Greater than
r) Design a query to show programs whose cost is less than 900,000. Name it Less than
s) Design a query to show programs whose cost is greater than 800000 but less than 1000000
t) Create a query to show all program whose tuition is greater than or equal to 900000 but less than or equal to 1300000. Name it Moderate Programs.
u) Create a query to show all students whose names start with letter **M.** Name it M Students
v) Create a query to show all students whose names end with letter **I.** Name it I Students
w) Create portrait reports for the two tables of your database in Tabular layout

End of Case Study