

University of Larbi Ben Mhidi Oum El Bouaghi
Faculty of Exact Sciences and Life and Natural Sciences
Department of Mathematics and Computer Science

Study stream : Computer Science

Level: 2nd Year Bachelor's Degree

Module: DataBase

Instructor: Dr. Bouneb M.

Practical Work N°06

Objectives:

Part 01: Mastering the creation and manipulation of macros.

Part 02: Application exercise.

Part 01:

Consider the medical clinic management database developed in TP04.

1. Create a macro to protect your database with a password of your choice.
 - Name this macro AutoExec so that it runs automatically.
2. Create a form to search for appointments by doctor, allowing you to look up appointments for a specific doctor.
 - Write a query to extract appointments for a given doctor.
 - Add a "Display" button to this form, then create an embedded macro to execute this query.
3. Create a form to search for appointments by date, allowing you to look up appointments for a specific date.
 - Write a query to extract appointments for a given date.
 - Add a "Display" button to this form, then create an embedded macro to execute this query.
4. Write a query to delete appointments for dates that have passed.
 - Add an "Update" button to this form, then create an embedded macro to execute this query and update the appointments table.
5. Add an "Export" button to the home form to export all tables to Excel files.

- *To achieve this, create an embedded macro. Stack the macros as follows for each table:*
 - *Use the MessageBox macro to display a dialog box informing the user about which table is being exported.*
 - *Use the ExportWithFormatting macro to select the table name to export and its format.*

Part 02:

Consider the furniture store management database introduced in TP02.

1. *Create a macro to protect your database with a password of your choice.*
 - *Name this macro AutoExec so that it runs automatically.*
2. *Create an update query to adjust the stock quantity of ordered items after creating an order.*
 - *Add a "Validate" button to update the stock after an order, then create an embedded macro to execute the update query.*
3. *Add to the display_orders form:*
 - *A date input field.*
 - *A "Filter" button to display orders for the date specified in the input field. To achieve this, create a SetFilter macro.*
4. *Add an "Export" button to the home form to export all tables to PDF files.*
 - *To achieve this, create an embedded macro. Stack the macros as follows for each table:*
 - *Use the MessageBox macro to display a dialog box informing the user about which table is being exported.*
 - *Use the ExportWithFormatting macro to select the table name to export and its format.*