Software Solutions Microsoft Excel Level Six Macros & VBA Programming



The aim of this course is to extend the Excel users knowledge of macros introduced in Level Three. Users are introduced to direct programming skills in Visual Basic for Applications. This course will provide the Excel user with the VBA skills necessary to automate tasks including importing and exporting data, creating and modifying charts, reporting and manipulating spreadsheet data, and creating interactive user forms. Participants must be completely conversant with the material covered in the Excel Level One, Level Two and Level Three Courses.

COURSE CONTENT MACROS

MACROS	
DEVELOPER TAB & MACRO SECURITY	RECORDING MACROS
RECORDING MACROS	RUNNING A MACRO
□ MACRO OPTIONS: SHORTCUT KEY ASSIGNMENT	VIEW THE MACRO CODE
□ THE VISUAL BASIC EDITOR (VBE)	PROJECT EXPLORER & PROPERTIES
ALTERING AND RUNNING CODE	WORKING WITH UNDERSCORE
WORKING WITH TOOLBARS	MODULES MANAGEMENT
MACRO Project	
□ IMPORTING A FILE	□ STEP INTO CODE
□ VARIABLES, AUTO LIST MEMBERS, AUTO QUICK INFO	DECLARING VARIABLES AND THEIR DATA TYPES
□ REFERRING TO THE ACTIVE SHEET	FILL MISSING LABELS
ADDING DATES	VARIABLES AND INPUT BOXES
APPENDING TO DATABASE	RELATIVE REFERENCES & PROCEDURES LIST
DELETE WORKSHEET & TURN OFF ALERTS	ASSEMBLING MACROS TOGETHER
MODULES, VARIABLES and DATA TYPES	
DECLARING VARIABLE DATA TYPES	□ VARIABLES WITH INPUT BOXES
□ VARIABLES WITH MESSAGE BOXES	APPLICATION INPUTBOX STATEMENT
DO LOOP STATEMENT	□ IF STATEMENTS
□ FOR NEXT STATEMENT	□ EXIT SUB
□ REFERRING TO CELLS, RANGES, ROWS AND	□ CELL REFERENCE, ACTIVE CELL VALUE & COUNT
COLUMNS	
WORKBOOK and SHEET OBJECTS	l.
ACTIVE WORKBOOK AND ACTIVESHEET	WITH AND END WITH (WEND) STATEMENTS
FOR EACH MEMBER In a COLLECTION	
□ FOR EACH NEXT IN A RANGE	□ FOR EACH NEXT IN A WORKBOOK
SELECT CASE STATEMENTS and NAMED RANGES	
CREATING, EDIT, DELETE A NAMED RANGE	□ REFERRING TO AND SELECTING A NAMED RANGE
CONSTANTS and DATA SCOPE and SURVIVAL	
□ SCOPE OF A VARIABLE	□ SURVIVAL OF A VARIABLE
USER DEFINDED FUNCTIONS and STRING FUNCTIONS	l.
FUNCTION: CHR() AND CHARACTER SET (0 - 127)	□ CHARACTER SET (128 – 255)
□ FUNCTION: INSTR()	□ FUNCTION: LCASE ()
FUNCTION: LEFT()	□ FUNCTION: LEN()
□ FUNCTION: MID()	□ FUNCTION: RIGHT()
□ FUNCTION: STRCONV()	□ FUNCTION: UCASE ()
WORKING with CHARTS	I V
□ REFERRING TO AN EMBEDDED CHART	□ REFERRING TO A CHART SHEET
CREATE AND MODIFY A CHART WITH CODE	
WORKING with EVENT PROCEDURES	
	□ WORKSHEET EVENTS
DEBUGGING CODE	
COMPILE VBAPROJECT AND DEBUG TOOLBAR	RUN, STEP INTO AND BREAKPOINTS
□ THE IMMEDIATE AND LOCALS WINDOWS	DEBUG PRINT STATEMENTS
ERROR HANDLING	
	HOW TO ENTER ERROR HANDLING CODE
PROTECTION	
PROTECTING AND UNPROTECTING A WORKSHEET	PROTECTING AND UNPROTECTING PROJECT CODE
USER FORMS	
	□ WORK WITH CONTROLS IN THE TOOLBOX
EXCEL KEYBOARD SHORTCUTS	
EACEL NETDOARD SHORTCOTS	