

KOENIG SOLUTIONS • COURSE OUTLINE

VBA in Excel

Learn to write VBA procedures and functions in Excel, using variables and control-of-flow structures to automate tasks.

3

MODULES

25

TOPICS

COURSE OVERVIEW

This course covers writing and calling procedures and functions within VBA modules, including use of the code editor and the Immediate Window. It then addresses expressions, variable declaration, data types, scope, constants, and object variables, along with message boxes and input boxes for user interaction. Finally, it covers controlling program execution through Boolean expressions and decision and loop structures such as If, Select Case, Do Loop, For...Next, and For Each...Next.

WHO THIS COURSE IS FOR

Excel Users

VBA Developers

Business Analysts

Data Analysts

Automation Developers

LEARNING OBJECTIVES

- Create standard modules and sub procedures in VBA
- Call procedures using the Immediate Window
- Create function procedures and name them appropriately
- Declare variables, constants, and object variables
- Identify data types and variable scope
- Apply message boxes and input boxes for user interaction
- Apply decision structures such as If and Select Case
- Apply loop structures such as Do Loop and For Each

3 Modules, 25 Topics

01

Working with Procedures and Functions

TOPICS

- Understanding Modules
- Creating a Standard Module
- Understanding Procedures
- Creating a Sub Procedure
- Calling Procedure
- Using the Immediate Window to Call Procedures
- Creating a Functions Procedure
- Naming Procedures
- Working with the Code Editor

02

Using Expressions, Variables

TOPICS

- Understanding Expressions and Statements
- Declaring Variables
- Understanding Data Types
- Working with Variables Scope
- Understanding Constants
- Using Message Boxes
- Using Input Boxes
- Declaring and Using Object Variables

03

Controlling Program Execution

TOPICS

- Understanding Control-of-Flow Structures
- Working with Boolean Expressions
- Using the If... End If Decision Structures
- Using the Select Case... End Select Structure
- Using the Do....Loop Structure
- Using the For...To...Next Structure
- Using the For Each....Next Structure
- Guidelines for Use of Control-of-Flow Structure

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

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