



Computer Training & Business Consultancy

Course outline - Programming Principles (CTPD10-10)

Duration 4 days

Overview

This course provides a complete introduction to the world of computer programming from first principles through to program design and testing. Whether you plan to write Windows macros and modules or to develop larger scale systems in SQL, you need a sound understanding of best practice and design principles.

Delegates are given a thorough grounding in basic computer terminology, introduced to the structures of files and databases and investigate normalisation and data design before moving on to the typical systems development life cycle. Both pseudo code and VBA are used to illustrate common programming constructs.

Course delivery is tutor-led with a strong practical emphasis. Students work through a series of case studies and exercises individually or in small groups.

Recommended for

Staff who want to develop their IT skills by moving on to computer programming.

Prerequisites

Competent use of a PC.

Objectives

At the end of the training the successful delegate will be able to:

- Understand the development life cycle
- Draw up data structures, carry out normalisation and produce database designs
- Produce flowcharts and pseudo code from specifications
- Use variables, constants, arrays and enumerated data types
- Carry out systematic program testing
- Understand a variety of file formats and storage methods
- Specify program requirements
- Understand common control structures for looping and branching
- Design a test plan and test data

Clearer Thoughts - for a little more clarity in your business

Bridle House,
Bridle Way,
Bootle,
Merseyside, L30 4UA

Tel: 0151 285 3656
Fax: 0151 525 2298
VAT No. 764 5286 03
Reg. No. 4094782