Microsoft Access – Application Development

Course code: MSAC2a

The course is intended for everyone who wants to acquire knowledge and skills in programming and designing database applications in the Microsoft Access environment. Course participants are required to know about programming in Microsoft Visual Basic (viz. recommended prior courses).

Who is the course for

The course is intended for developers who want to programme in Microsoft Access.

What we teach you

Fundamentals of the language of macros

Using the Microsoft Access object model

Using an ADO library (ActiveX Data Objects)

Making a database secure

User-level knowledge of Microsoft Access

Basic Microsoft Visual Basic 6.0 programming skills
- Programming in Microsoft Access
- Creating macros
- Conditional macros
- Shortuc keys

Visual Basic Fundamentals
- Variables
- Data Types
- Command for controlling program execution
- Functions and procedures
- Using Dialogs
- Error Handling

Microsoft Access Object Model
- Object fundamentals
- Properties, methods and Events
- Object browser
- Collections
- Forms, Reports collections
- All collections

Microsoft Office Object Model
- FileSearch Object
- Assistant Object
- CommandBars Object

ActiveX Data Objects
- Architecture overview
- Library installation
- Setting References

Connection Object
- Setting ConnectionString
- Opening connections
- Using Transactions

Recordset Object
- Opening Recordset
- Using cursors
- Updating Recordset
- Filtering
- Searching
- Sorting

Command Object
- Setting command parameters
- Executing command
- Acquiring resultset

Security
- Securiing Access database
- Encrypting database