

C#.NET-WINDOWS APPLICATION DEVELOPMENT

➤ **SQL**

Introduction
DML
DDL Functions
Group by, Having
Join
Stored Procedure

➤ **Introduction**

NET and Visual Studio 2008
NET Projects
Common Language Runtime
Visual Studio 2008
IntelliSense

➤ **Language Syntax**

Basic C# Syntax
Comments
Data Types
Variables
Operators
Conditional Statements
Looping Structures
Functions

➤ **Classes & Objects**

Classes and Objects
Partial Classes
Methods, Properties and Events
Constructors
Property Procedures
Enumerations
Reference vs. Value Types
Structures
Namespaces

➤ **Arrays & Collections**

Arrays
Resizing Arrays
Array Lists & Hash Tables
Generic Collections

➤ **Windows Forms and Controls**

Control Class
Buttons
Text Boxes Labels, Literals
Image Controls Picture Box Control
Panel Control
Combo Box Control
List Boxes
Dropdown Lists
Date Time Picker Control
Link Labels
Check Boxes
Check Box Lists Radio Buttons
Radio Button Lists
Rich Text Box Control
Tab Control
Tool Strip Control
Menu Strip Control

➤ **Creating Custom Controls**

Create New Controls for Forms
Create a Control from an Existing
Control and Add Functionality

➤ **Creating MDI Applications**

MDI Applications
MDI Parent and MDI Child Forms
Manage Menus

➤ **Printers and Printing**

System, Drawing, Printing Namespace
Print Document, Printer Settings
Page Settings
Print Preview Control
Page Setup Dialog
Print Preview Dialog
Print Dialog Controls

➤ **ADO.NET (Working with Database)**

Overview of ADO.NET
Connection Object
Command Object
Data Readers
Data Sets & Data Adapters
Execute non-query, Execute scalar
Execute reader
Data Grid View Control

➤ **XML**

Reading and Writing XML,
Programmatically
Important Classes in the System.XML
Namespace
Read and Write XML Nodes
and Attributes

➤ **Building Setup Applications**

Installation Package
Customize a Setup Project
Control Installation of an Application
Specify Conditions of an Install
Custom Actions for after an Installation

➤ **Exception Handling**

Exception Class
Try, Catch, Finally
Working with Exception Handling

➤ **File Handling**

System, IO Namespace
Working with Directories and Files
Read and write file
Stream Reader
and Stream Writer Classes

➤ **Assignment Works**