Microsoft .NET Overview

* Why .Net
* Introduction to .Net framework
* Basic functionality of CLR
* MSIL
* CTS & CLS .Net languages
* System Requirements

Introduction to VB.NET

* Features of VB.NET
* Writing programmes in VB.NET
* Compiling and Executing from
* Command prompt
* Intro to Assemblies and Namespace
* Base class libraries
* Data types
* Option statements
* Boxing and Unboxing
* Array
* Sub programmes

Introduction to Visual Studio.NET

* File structure created for VS.NET APP
* Types of projects
* Creating Demo Console App

Object Oriented Programming

* Principles of OOP
* Structure VS Class
* Access Specifiers
* Properties
* Method Overloading
* Constructors
* Shared Modifier
* Inheritance
* Overloading and Overriding
* My base Keyboard
* Shadowing
* Abstract class
* Sealed class
* Interface
* Polymorphism
* Early Binding and Late Binding
* Destructor & Garbage Collector

GUI application development

* Introduction to system WINDOWS, Form, DLL
* Basic controls rich and Event driven programming
* Advanced controls Rich text box, Dialog
* Boxes, Toolbar…
* Working with context menu
* Main menu and MDI form

Assemblies

* Introduction to Assembly
* Private Assembly vs. Shared Assembly
* Creating private Assembly
* Probing and Preparing Configuration file
* Strong name utility
* Creating shared Assembly
* Configuring file for sharing Assembly

Data access with ADO.NET

* ADO.NET managed Data providers
* Introduction to system.Data.Oledb
* Data Reader
* Introduction to system.Data.SQLclient
* Preparing Statement
* Transaction handling
* Introduction to system.Data.Oracleclient
* Dataset and Data adapter
* Data Binding
* Data grid Programming

JSON Data

How to Read Json data in vb.net