

INTRODUCTION OF .NET

CODE: (NET-2M)

1. THE COMMON LANGUAGE RUNTIME (C.L.R.)

- a. ARCHITECTURE AND SERVICESCLR
- b. .NET INTERMEDIATE LANGUAGE (IL)
- c. JUST-IN-TIME (JIT) COMPILATION AND CLS

2. .NET FRAMEWORK CLASS LIBRARY

- a. SYSTEM NAMESPACE
- b. SYSTEM.OBJECT NAMESPACE
- c. SYSTEM.COLLECTION NAMESPACE
- d. SYSTEM.TYPE
- e. EXCEPTION

3. LANGUAGE FUNDAMENTALS

- a. DATA TYPES AND CONTROL CONSTRUCTS AND INITIALIZING VARIABLES
- b. DECLARING REFERENCE TYPES VALUE AND CHARACTERS AND STRINGSUNICODE
- c. C.T.S TYPE
- d. TYPED LOCAL VARIABLES IMPLICITLY
- e. CONDITIONAL SYNTAX
- f. C# OPERATORS
- g. SYNTAX LOOPING
- i. ARRAY
- j. STRUCTURE

4. OBJECT ORIENTED PROGRAMMING CONCEPTS

- a. CLASSES AND OBJECTS
- b. INHERITANCE
- c. ENCAPSULATION AND ABSTRACTION
- d. POLYMORPHISM

5. COLLECTION

- a. ARRAY LIST
- b. HASH TABLE
- c. QUEUE
- d. STACK COLLECTION INTERFACE
- e. ENUMERABLE INTERFACE
- f. ENUMERATOR INTERFACE
- g. DICTIONARY ENUMERABLE INTERFACE
- h. DICTIONARY ENTRY STRUCTURE
- i. BOXING VS. UNBOXING

6. FILE HANDLING

- a. SYSTEM.IO NAMESPACE
- b. STREAM READER AND STREAM WRITE CLASS AND DIRECTORY
- c. OBJECT FILE
- d. OBJECT PATH
- e. READING AND WRITING A FILE

7. EXCEPTION HANDLING

- a. INTRODUCTION OF EXCEPTION
- b. FINALLYBILT
- c. THROW KEYWORD
- d. CUSTOMIZES MESSAGE ASSIGNMENT
- e. CUSTOM EXCEPTION

8. FORM AND CONTROL

- a. BUILDING WINDOWS FORM APPLICATION
- b. PROGRAMMING FORMS AND CONTROL
- c. DESIGN WINDOWS USER INTERLACES CONSTRUCTING MDI INTERFACE
- d. IMPLEMENTING MDI PARENT AND CHILD FORMS
- e. IMPLEMENTING MENU STRIP, TOOL STRIP, STATUS TRIP,
- f. RICH TEXT BOX, TOOL TIP, ERROR PROVIDER ETC.
- g. CREATING CUSTOM CONTROL

9. EVOLUTION OF ADO.NET

- a. ADO.NET WORKS AND HOW IT DIFFERS FROM ADO.
- b. EVOLUTION OF ADO TO ADO.NET

10. ADO.NET AND ITS ARCHITECTURE

- a. CONNECTION OBJECT
- b. COMMAND OBJECT
- c. DATA READER OBJECT
- d. DATA ADAPTER OBJECT
- e. DATASET CONCURRENCY AND THE DISCONNECTED DATA ARCHITECTURE
- f. WHEN TO USE THE DATASET PROVIDER

11. WHAT IS ASP.NET, AN INTRODUCTION

12. INTRODUCING WEB FORMS

- a. WHAT IS WEB FORM
- b. WRITING YOUR FIRST WEB FORMS PAGE

13. INTRODUCTION TO HTML CONTROL

- a. HTML CONTROL CLASS
- b. IMPLEMENTING THE CONTROLS

14. WEB FORMS CONTROLS

- a. SERVER CONTROL
- b. NAVIGATION CONTROL
- c. STANDARD CONTROL
- d. INTRODUCTION TO USER CONTROLS
- e. EXPOSING USER CONTROL PROPERTIES
- f. ENCAPSULATING EVENTS IN A USER CONTROL

15. MASTER PAGE

- a. MASTER PAGES (WORK VS. HOW)
- b. CONTENT PLACEHOLDERS
- c. CONTENT PAGES
- d. ADVANTAGES OF MASTER PAGES

16. QUERY WINDOW

- a. FOUNDATION STATEMENTS OF T-SQL
- b. STARTED WITH SELECT STATEMENT
- c. ADDING DATA WITH THE INSERT STATEMENT
- d. CHANGING WHAT YOU'VE GOT WITH THE UPDATE STATEMENT
- e. DELETE STATEMENT

17. JOINS

- a. INNER JOINS
- b. OUTER JOINS
- c. CROSS JOINS

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