



C SYLLABUS

- The C Language and its Advantages
- The Structure of a C Program
- Writing C Programs
- Building an Executable Version of a C Program
- Debugging a C Program
- Examining and Running a C Application Program\
- Data Types and Variables
- Data Types Operands, Operators, and Arithmetic Expressions
- Input/Output Management
- The Input/Output Concept Formatted Input Function
- Control-Flow Statements
- The Control-Flow Program Statements Looping Statements The Data-checking process
- Modular Programming with Functions
- The C Function Passing Data to Functions Passing an Address to Modify a Value in Memory Using Functions in the Checkbook Program C Standard Library Functions
- Arrays, Pointers, and Strings
- Arrays, Pointers, Strings Using Arrays, Strings, and Pointers in the Checkbook Program

- Structures
- Structures Arrays of Structures Passing Structures to Functions Nesting Structures
- File Input/Output
- Command-line Arguments Combining Command-line