

Week - 1 Module

Lec -1 = Basics Unveiled: Computers, Programming, and a Dive into Computer History Lec - 2 = Evolution of Portability: History of Laptops, Laptops vs. Computers, and Understanding Machine Language

Week - 3 Module

Lec -4 = Introduction to C Language: System Programming, Embedded Systems, and the Structure of a C Program Lec - 5 = Demystifying C: A Detailed Look at the Structure of a C Program

Week - 5 Module

Lec -7 = Continuing First Programs: Delimiters, Keywords, Identifiers, Constants, and Variables in C. Lec - 8 = Variables and Datatypes in C: Examples and Implementation

Week - 7 Module

Lec -10 = Programming Basics: Essential Methods for Writing C Programs

Lec - 11 = Visualizing Programs: Flowcharts and the Addition of Two Numbers

Week - 2 Module

Lec -3 = Decoding Languages: Differences Between Machine Language, Assembly Language, High-Level, and Low-Level Languages Practical - 1 = Explaining basic Computer & its functions

Week - 4 Module

Lec -6 = Program Execution, Input-Output Operations, and Initiating the First C Program Practical - 2 = Learn to use Compiler, First C Program

Week - 6 Module

Lec -9 = Exploring Datatypes and Operators in C: Practical Examples Practical - 3 = Practising with different datatypes, making identifiers, creating variables

Week - 8 Module

Lec -12 = Calculating Area, Circumference, and Perimeter: Flowcharts and C Programming Implementation. Practical - 4 = Practising programs of finding sum, area & perimeter



Week - 9 Module

Lec - 13 = Navigating Decision Making in C: Flowcharts, Conditional Statements, and Statement Types Lec - 14 = The Theory and Practice of If Statements in C

Week - 10 Module

Lec - 15 = Determining Odd or Even Numbers Using If Statements Practical - 5 = Practising Odd or Even Number program

Week - 11 Module

Lec - 16 = Exploring If-Else Statements: Theory and Practical Examples Lec - 17 = Finding Results: Implementation of If-Else Statements in C

Week - 13 Module

Lec - 19 = Nested If-Else Statements in Action: Examples and Switch Statement Introduction Lec - 20 = Unveiling the World of Loops: An Introduction to Iterative Structures

Week - 15 Module

Lec - 22 = Mastering For Loops: Basic Examples for Better Understanding Lec - 23 = Entering the Loop: An Introduction to While Loops

Week - 12 Module

Lec - 18 = Nested If-Else Statements: Understanding the Theory Practical - 6 = Practising if-else programs and result finder program.

Week - 14 Module

Lec - 21 = For Loop Demystified: Introduction, Syntax, and Basics Practical - 7 = Practising different questions of nested if-else and Switch statement.

Week - 16 Module

Lec -24 = Getting Started with While Loops: Solving Fundamental Problems

Practical - 8 = Practising programs of for loop and while loop.



Week - 17 Module

Lec - 25 = The Do-While Loop: Introduction to a Unique Iterative Approach Lec - 26 = Problems Solved with Do-While Loops: A Comprehensive Exploration

Week - 19 Module

Lec - 28 = Mastering Break: Practical Implementation and Control Lec - 29 = Continuing the Flow: An Introduction to the Continue Statement

Week - 21 Module

Lec - 31 = Multiplication Tables: Printing Tables for Mastery Lec - 32 = Introduction to Functions: Building Blocks of Modular Code

Week - 23 Module

Lec - 34 = Creating a Sum Function: A Step Toward Modular Coding Lec - 35 = Calculating Cubes and Squares: A Function's Power

Week - 18 Module

Lec - 27 = Breaking Free: Understanding the Break Statement Practical - 9 = Practising Do while loop programs

Week - 20 Module

Lec - 30 = Control in Action: Implementation and Dealing with Infinite Loops Practical - 10 = Practising break & continue statements and Infinite loop programs

Week - 22 Module

Lec - 33 = Function Fundamentals: Continuing the Journey Practical - 11 = Practising Multiplication table program and basic functions.

Week - 24 Module

Lec -36 = Functionality at Its Best: Area and Circumference Calculator Practical - 12 = Practising different functions program



Week - 25 Module

Lec - 37 = Unveiling Arrays in Programming Lec - 38 = Array Structure: Accessing, Declaring, and Memory Sizes

Week - 27 Module

Lec - 40 = Solving Basic Array Problems: A Foundation for Understanding Lec - 41 = Array Operations: Finding Sum and Average of Elements

Week - 26 Module

Lec - 39 = Arrays Continued: Memory Size Variations for Different Data Types Practical - 13 = Practising Array basic programs

Week - 28 Module

Lec - 42 = Identifying Negative Elements and Counting Negatives in an Array Practical - 14 = Practising Array advanced programs

Week - 29 Module

Lec - 43 = Exploring Max and Min Elements, along with Counting Repeated Numbers in an Array Lec - 44 = Merging Two Arrays: A Fundamental Operation

Week - 30 Module

Lec - 45 = Concluding the Series: Recursion in Programming Practical - 15 = Practising Array and Recursion programs