

C Language Training



C PROGRAMMING

TOPICS NO	TOPICS TO BE COVERED		
1	Introduction to Programming Language	7	Introduction to File Handling
	<ul style="list-style-type: none"> • What is Programming Language • Needs of Programming Language • Type of Programming Language • Features of Procedure Oriented Language • Introduction to C Language 		<ul style="list-style-type: none"> • What is a File • Use of File • Operation on File • How to Open a File • How to write to a File • How to Read a File • How to Close a File
2	Basics of 'C' Language Session-1	8	Introduction to Macros in Language
	<ul style="list-style-type: none"> • What is Variables? • Type of Variables • What is Data Type? • Different Type of Data Type • Size of each Data Type • How to Declare a Variables • Introduce Various Operator • Bit wise Operator • How to Write 'C' Programme or 'C' Programme Structure • How to Compile & Execute & Shortcut Keys 		<ul style="list-style-type: none"> • What is Macros? • Use of Macros? • How to Declare Macros? • Type of Macros • Function macros
3	Basics of 'C' Language Session-2	9	Introduction to Arrays
	<ul style="list-style-type: none"> • What is Header Files? • How #include<> & #include"" works? • Introduction to printf() • Introduction to scanf() • Introduction to putc() • Introduction to getc() • Introduction to gets() • Introduction to puts() • Introduction to getchar() • Introduction to getch() 		<ul style="list-style-type: none"> • Definition of Arrays • Type of Arrays • Accessing Elements of Array • Memory Management of Array • Implementation of Array • Searching and Sorting of Array • Different list operations • Character (String) Array • Different operations on Character Arrays • 2D Array • Matrix Operations • Concept of N Dimensional Array
4	Introduction to Control Statement Session-1 (Logical Statement)	10	Structure and Union
	<ul style="list-style-type: none"> • What is IF statement? • How and when use the IF-Else Statement? • Use of Nested if-else Statement • What Switch-Case Statement • Nested switch-case Statement 		<ul style="list-style-type: none"> • Definition of Structure • Memory Management of Structure • Implementation of Structure • Array of Structure • What is Union? • Difference between Structure & Union • Implementation of Union
5	Introduction to Control Statement Session-2 (Looping Statement)	11	Pointers
			<ul style="list-style-type: none"> • What is Pointer? • Definition of Pointer • Working Style of Pointer • Implementation of Pointer

	<ul style="list-style-type: none">• While-Loop• Do-while Loop• For-Loop• Nested Loop• Introduce to Break Statement
6	Introduction to Function
	<ul style="list-style-type: none">• What is Function• Use of Function• Type of function• How to declare a function• How to call a function• Type of function calling• What is parameter• How to pass parameter in a function• Recursive Function