



BADATYA

Join The Crowd to Standout!!!



C PROGRAMMING



 E-19, 1st Floor, McDonald's Road, South Ex. 1, ND-49

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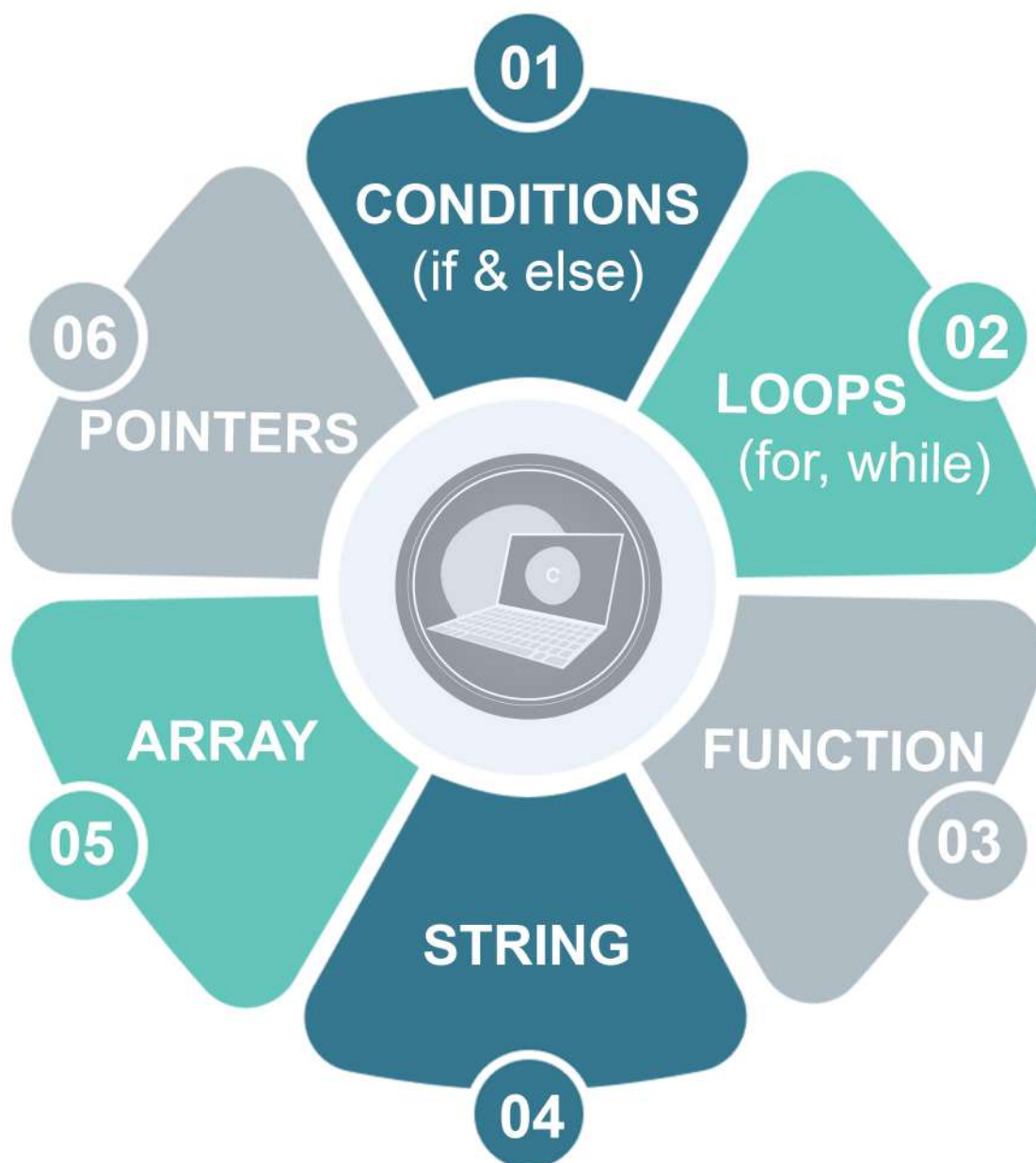
 info@badatya.com

 956 014 1630, 011-4601 6824

C PROGRAMMING

The C programming language is likely the most versatile and advantageous. Infact, studying C may make learning different programming languages easier in the future, which will help you acquire abilities that will aid you in your professional career.

C Programming comprises of:



ADVANTAGES of C Programming include:

- Medium level language
- Structured
- Case sensitive
- Pointer Support
- Portable
- Rich Library Support

C PROGRAMMING

REAL WORLD APPLICATIONS OF C:

Video Games

Graphical UIs

Database Operating System

Computer Operating System

Cloud Computing

Banking Applications

Distribution Systems

Web Browser

Embedded systems

Libraries

Server Applications

Compilers

Why learn C ?

- C is among the Top 5 in demand programming languages in India.
- C is the most basic and fundamental programming language, it helps to learn other languages easily.
- There is no limit to its usage and thus opens a wide range of possibilities and opportunities for you.
- Skilled and efficient programmers fetch great salary packages.

C PROGRAMMING - CURRICULUM

Module 01: Fundamentals of C Language

- About C tutorial
- Important points about C
- Why Use C
- Applications of C
- C Language and English Language
- Features of C

Module 02: Overview of C Languages

- History of C
- First Program in C hello World
- Basic Structure of C Programming
- Tokens in C
- Keywords in C
- Identifiers in C
- Formal Specifiers

Module 03: Data Types in C Language

- Introduction to Data Types in C
- Int Data Type in C
- Float Data Type in C
- Double Data Type in C
- Char Data Type in C

Module 04: Variable in C Language

- Variable Introduction in C
- Variable Declaration and Initialization
- Variable Types and scope in C
- Local Variable in C
- Static Variable in C
- Global Variables in C
- Storage Class in C

Module 05: Constant in C Language

- Constants in C

Module 06: Operators and Enums in C Language

- Introduction to Operator
- Arithmetic Operators in C
- Relational Operators in C
- Bit-wise Operators in C
- Logical Operators in C
- Assignment Operators in C

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- Conditional Operator in C
- sizeof() operator in C
- Operator Precedance
- ASCII Value

Module 07: Decision Making of C Language

- Decision Making in C Introduction
- if Statement
- if-else Statement
- Nested if Statement
- if else if Ladder
- switch case

Module 08: Loop Control, Control flow, Array and String in C Language

- Loop Introduction in C
- While loop in C
- Do while Loop in C
- For Loop in C
- Break statement in C
- Continue statement in C
- goto Statement in C
- Single Dimensional Array
- Multi-dimensional Array in C
- Introduction to String

Module 09: Functions in C Language

- Functions in C
- Function Calling
- Return type in Function
- Call by Value in C
- User Define Function
- Predefined Functions

Module 10: String Functions in C

- All Strings functions

Module 11: Recursions in C

- Introduction to Recursions
- Direct and Indirect Recursion

Module 12: Pointer in C LANGUAGE

- Pointer in C
- Types of pointer

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- NULL pointer
- Dangling Pointer
- Void/Generic Pointers
- Wild Pointer
- Near, Far and Huge Pointer
- Pointer Expressions and Arithmetic
- Pointer and Array
- Strings as pointers
- Pointer to Function

Module 13: Structure in C Language

- Structure in C
- Nested Structure in C
- Array of Structures in C
- Pointer to Structure
- Structure to Function in C
- Typedef in C
- Typedef vs #define in C

Module 14: Others

- Union in C
 - File Input/output
 - File Operations in c
 - Introduction to DMA
 - Calloc() and free() function
 - Realloc() and free() function
 - Pre-processor
 - Command Line Arguments
-

ABOUT BADATYA



1st Rank Institute
in Delhi NCR



59,000+ Students



90% Students Enrol
from references



Certified Industry
Experts



500+ Training
Partners



300+ Recruiting
Partners

OTHER SOFTWARES YOU CAN LEARN:



Excel



tableau



python



SQL



VBA



Azure



mongo
DB



aws



Java



Power BI



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