



BADATYA

Join The Crowd to Standout!!!



C++ PROGRAMMING



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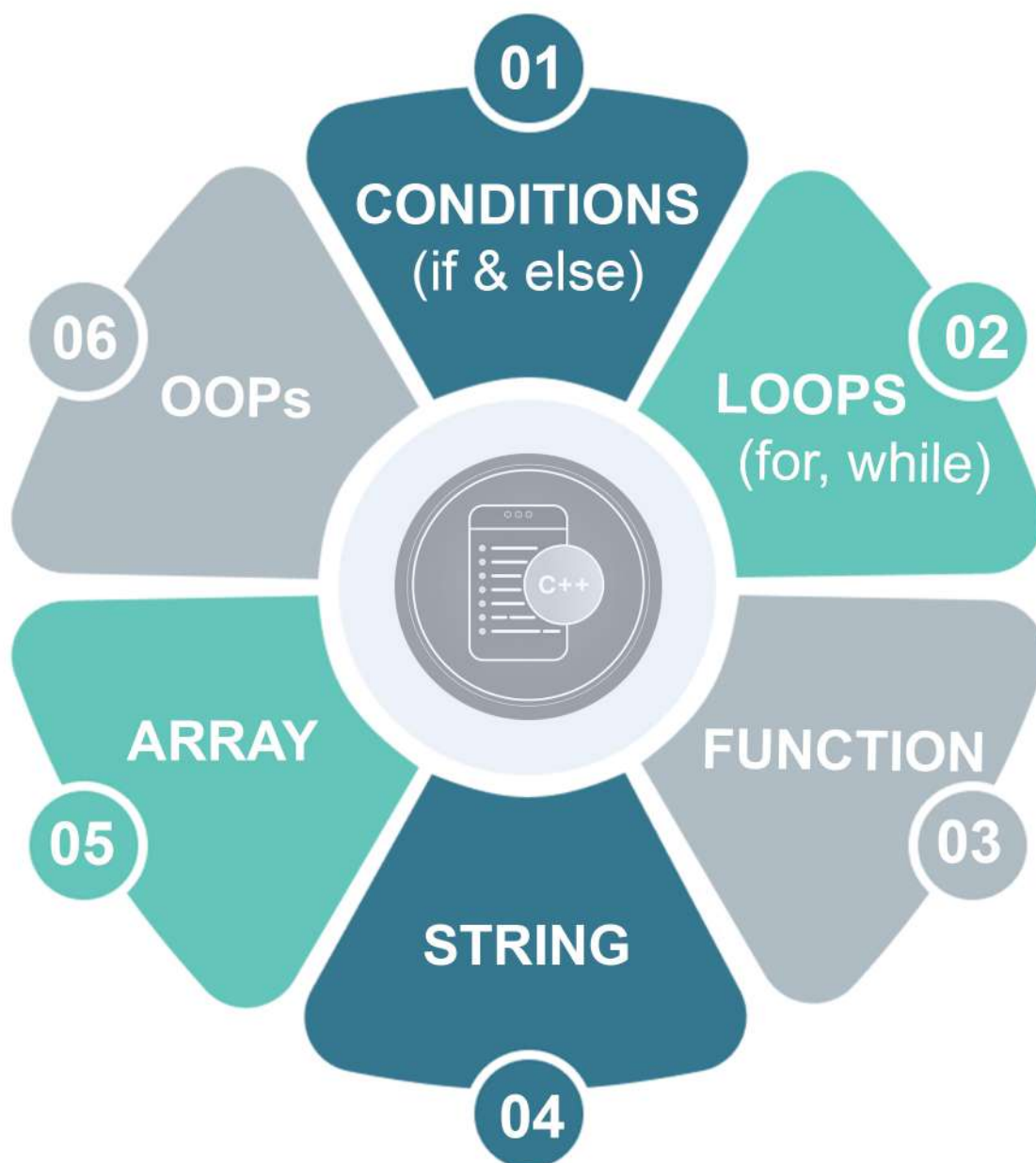
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C++ PROGRAMMING

Master the most popular programming language in the market, C++. Learn different programming paradigms, including procedural, object-oriented, functional, and others, all supported by C++, hence making it one of the most important programming language as it is both strong and adaptable.

C++ Programming comprises of:

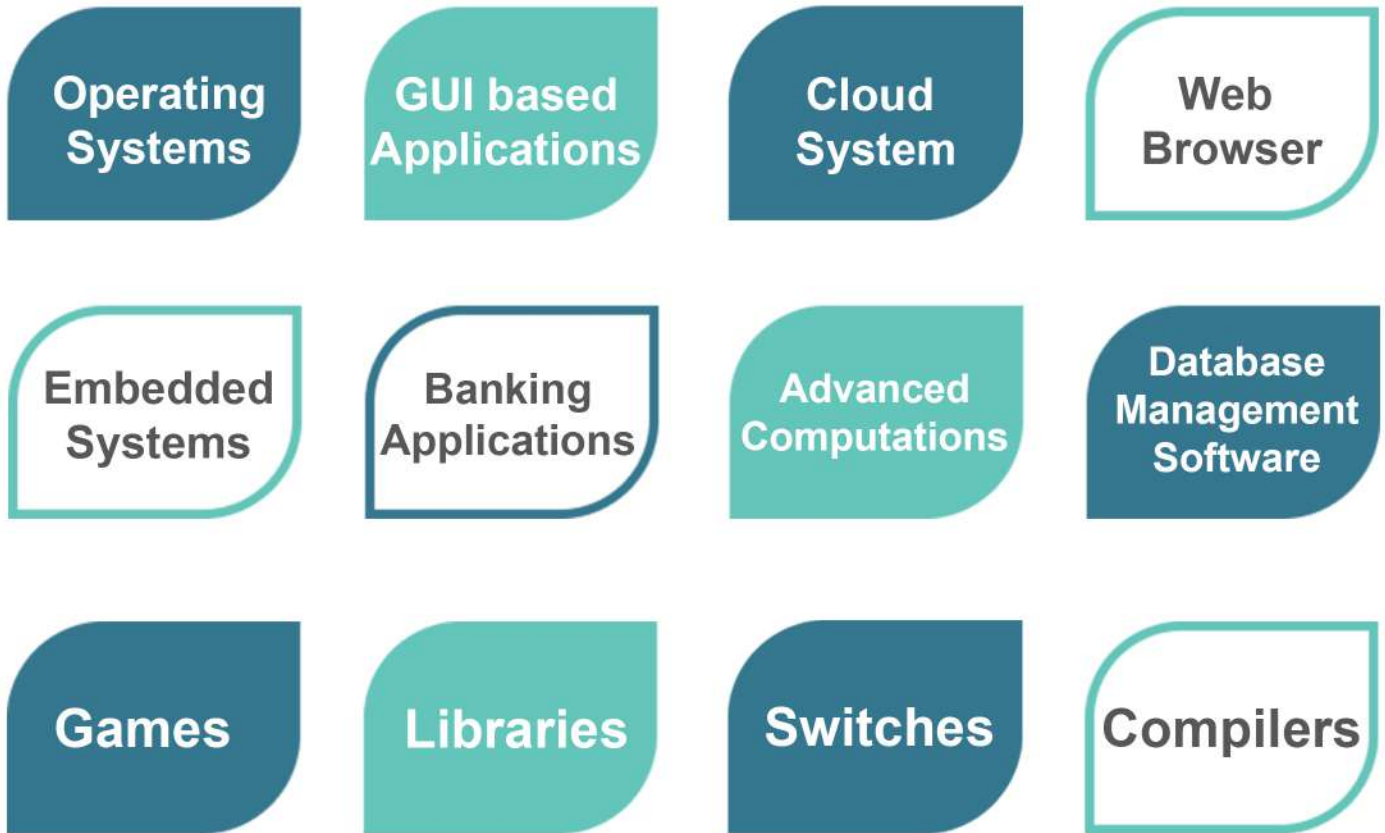


ADVANTAGES of C++ Programming include:

- Object Oriented
- Speed
- Compiled
- Pointer Support
- Closer to hardware
- Rich Library Support

C++ PROGRAMMING LANGUAGE

REAL WORLD APPLICATIONS OF C++:



Why learn C++ ?

- C++ is among the Top 5 in demand programming languages in India.
- Many new emerging technologies use C++ as their primary or secondary language and hence it's knowledge is important to sustain in the industry.
- There is no limit to it's 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: Introduction and First Program

- Introduction to C++
- First C++ Program

Module 02: - Language Features

- How C++ differs from C
- Variables Declaration
- Function overloading
- Optional Parameters
- Reference Variables
- Operator overloading
- Basics of Console Input and Output
- Constant Pointers
- Dynamic Memory Allocation

Module 03: OOPs Concepts

- Overview of OOPs Principles
- Introduction to classes & objects
- Creation & destruction of objects
- Data Members
- Member Functions
- this Pointer
- Constructor & Destructor
- Static class member
- Friend class and functions
- Namespace

Module 04: Inheritance

- Introduction and benefits
- Access Specifier
- Base and Derived class Constructors
- Types of Inheritance.....
- Down casting and up casting
- Function overriding
- Virtual functions.
- Destructor overriding

Module 05: Polymorphism

- What is Polymorphism

C++ PROGRAMMING - CURRICULUM

- Pure virtual functions
- Virtual Base Class

Module 06: - I/O Streams

- C++ Class Hierarchy
- File Stream
- Text File Handling
- Binary File Handling
- Error handling during file operations
- Overloading << and >> operators

Module 07: Exception Handling

- Introduction to Exception
- Benefits of Exception handling
- Try and catch block
- Throw statement
- Pre-defined exceptions in C++
- Writing custom Exception class
- Stack Unwinding

Module 08: Templates

- Introduction
 - Function Templates
 - Class Templates
-

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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