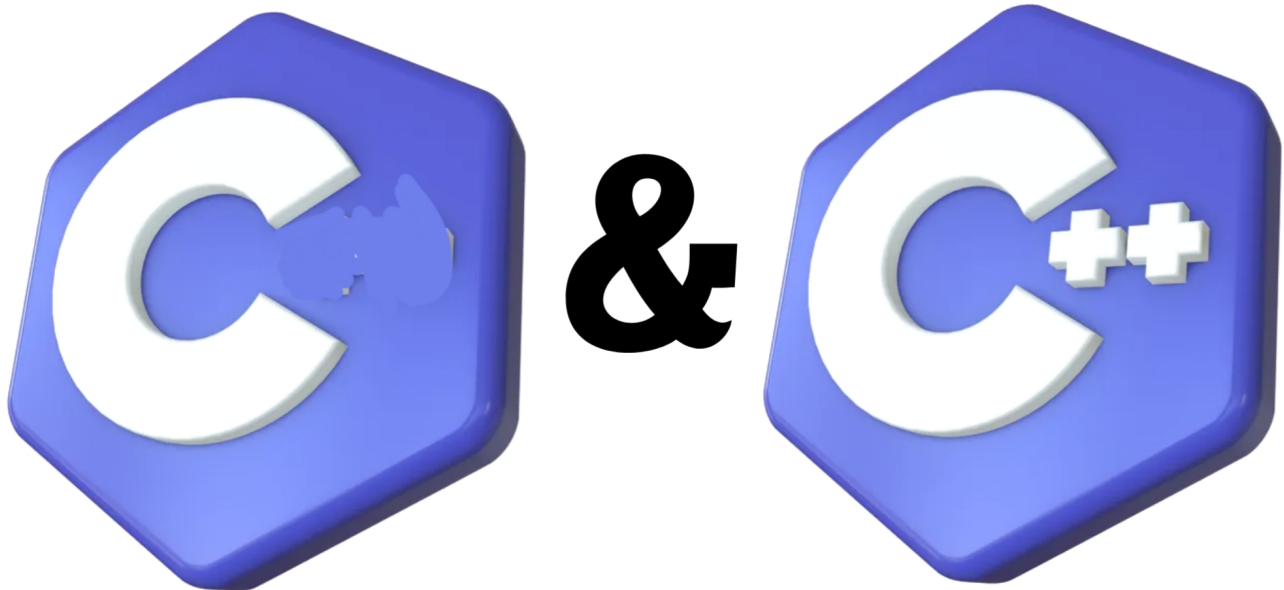


**UNLOCK YOUR POTENTIAL IN
THE DIGITAL REALM WITH OUR**

LOTUS IT HUB
COMPUTER TRAINING INSTITUTES



➡ C Syllabus

Introduction

- 1) Overview of C Language
- 2) Where is it used
- 3) Role of Interpreter
- 4) Your First Program
- 5) Role of Compiler
- 6) Data Type
- 7) How to declare Variables
- 8) ASCII Code Table
- 9) Type Casting
- 10) Operators in C/C++
- 11) Life Cycle of Integer
- 12) Conditional Statement
- 13) If else
- 14) Ternary operator
- 15) Switch case



Loop Types

- ➡ for loop
- ➡ while loop
- ➡ Do While loop

Array (Array Types)

- 1) Single Dimensional array
- 2) Double Dimensional array
- 3) Single Character Array
- 4) String
- 5) Function

Pointer

- 1) Understanding Pointers
- 2) Pointer expressions
- 3) Pointer and Arrays
- 4) Pointers and Character String
- 5) Pointers to Functions
- 6) Pointers and Structures Call By Reference Function



Structure

- 1)How to declare structure
- 2)How to declare array in structure
- 3)Structure pointer
- 4)Union
- 5)Enum
- 6)File Management In C
- 7)Introduction to File Management
- 8)Opening/Closing a File
- 9)Input/output operations on Files
- 10)Error Handling During I/O Operations
- 11)Command Line Arguments
- 12)Structures And Unions



```
<||>  
"eslintConfig": {  
  "extends": [  
    "app",  
    "app/"  
  ],  
  "scripts": {  
    "start": "react-scripts start",  
    "build": "react-scripts build",  
    "test": "react-scripts test",  
    "eject": "react-scripts eject"  
  }  
}
```

- 13) Defining a Structure
- 14) Advantage of Structure
- 15) Dynamic Memory Allocation
- 16) Introduction to Dynamic Memory Allocation
- 17) Malloc
- 18) Calloc
- 19) Realloc
- 20) Free
- 21) Preprocessor
- 22) 39. Macro Substitution
- 23) File Inclusion
- 24) Computer Control Directives



➡ **c++ syllabus**

Introduction

- 1) Difference Between C and C++
- 2) Overview of C++ Language
- 3) Where is it used
- 4) Your First Program of C/C++
- 5) Data Type
- 6) How to declare Variables
- 7) ASCII Table
- 8) Type Casting
- 9) Operators in C/C++
- 10) Life Cycle of Integer



- 11) Conditional Statement
- 12) Life Cycle of Integer
- 13) Conditional Statement
- 14) If else
- 15) Ternary operator
- 16) Switch case
- 17) Loop
- 18) for, while, do while
- 19) Array
- 20) Single Dimensional array
- 21) Double Dimensional array
- 22) Single Character Array



```
<||>  
"eslintConfig": {  
  "extends": [  
    "app",  
    "app/"  
  ],  
  "scripts": {  
    "start": "react-scripts start",  
    "build": "react-scripts build",  
    "test": "react-scripts test",  
    "eject": "react-scripts eject"  
  }  
}
```

23)String

24)Function

25)Pointer

26)Pointer and Arrays

27)Pointers and Character String

28)Pointers to Functions

**29)Pointers and Structures Call By Reference
Function**

30)Structure

31)Input/output operations on Files

32)Error Handling During I/O Operations

33)Command Line Arguments



Object oriented programing

Oops Concepts

- 1)Class
- 2)Object
- 3)Inheritance
- 4)Method Overloading
- 5)Method Overriding
- 6)Static



```
<||>
"eslintConfig": {
  "extends": [
    "app",
    "app/"
  ],
  "scripts": {
    "start": "react-scripts start",
    "build": "react-scripts build",
    "test": "react-scripts test",
    "eject": "react-scripts eject"
  }
}
```

Constructor

- 1) Type of Constructor
- 2) Operator Overloading
- 3) Polymorphism
- 4) Friend's Function
- 5) Templates
- 6) File Handling
- 7) Exception Handling
- 8) Graphics
- 9) # and ## Operators in c
- 10) String zing Operator (#)



```
<||>  
"eslintConfig": {  
  "extends": [  
    "app",  
    "app/"  
  ],  
  "scripts": {  
    "start": "react-scripts start",  
    "build": "react-scripts build",  
    "test": "react-scripts test",  
    "eject": "react-scripts eject"  
  }  
}
```

- 11) Automatic Storage Class
- 12) Register Storage Class
- 13) External Storage Class
- 14) Restrict Keyword in C
- 15) The mutable storage class specifier in C++
(or use of mutable keyword in C++)
- 16) Understanding “volatile” qualifier in C/ set 2
- 17) C++ program to illustrate use of “new”
keyword
- 18. Projects

COURSE OFFER

01 C/C++

02 Java

03 Data Analyst

04 Python

05 Power Bi

06 Core dot net

07 SQL

08 PLSQL

09 Web design

10 angular js

11 React js

12 Spoken English

13 c# dot net

14 Advance excel



Job-oriented Course

01

Java-Fullstack (5 Months)

02

Dot net full stack 4-5 Months

03

Pythoj Full stack 5 months

04

Data Anyalst 3 Months



Why to Join Lotus IT Hub ?

01 Training by industry experts

02 Complete hands on practice

03 Live Project

04 Job-oriented training

05 Daily Assignment to improve technical skill

06 Mock/ Interview Preparation

07 Weekly doubt session

08 placement assistance

09 placement guidance





PN 13496

Of Achievement

This Certificate Is Proudly Presented
For Honorable Achievement To

This Is To Certify That Mr / Ms Kabir Singh
Has Successfully Completed The C & C++ Programming course With Grade A+
Course From 02 / 02 / 2024 To 20 / 04 / 2024

We Wish Him / Her A Very Bright Future In His / Her Career.

LOTUS IT HUB

Second Floor, Krishna Tower, Main Karvenagar Bus Stop, Karve Nagar, Pune-411 052.

9730258547 / 8483966654

www.lotusithub.com



Signature Of Director

23 / 04 / 2024

Date