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Regd. Off. Plot A-40, Unit No.
207-301, 2nd & 3rd Floor,
I-Thum Tower A, Sector-62, Noida 201309
Nearest Metro Station Noida Electronic City

Website: www.trainingbasket.in
E-mail: support@trainingbasket.in
Helpline: +91-9015887887



About Training Basket

At Training Basket, we take pride in ourselves for maintaining our position in the technology-training ecosystem as the top quality-training provider in "Specialized Technologies" and thus being able to get the best placement package available for our students in blue chip companies. Training Basket not only teaches the students, but also undertake corporate workshops and conduct seminars in various engineering colleges. We conduct programmes to promote the build-up of adequate and industry ready IT professionals for development and distribution of knowledge and grasp out to the larger association through continuation, at the state, national and international levels.

Training Basket team works at delivering the best technical training and facilities. We provoke new knowledge by alluring in cutting-edge research and to bolster students and expert expansion by offering IT industry high demand training programs.

In addition, global technology leaders like Red Hat and Times of India (TSW) have chosen Training Basket as their Master Certified Training partner to deliver their authentic, certified training, to enterprises and IT professionals across India.

About C & C++

C is a procedural programming language. It was initially developed by Dennis Ritchie in the year 1972. It was mainly developed as a system programming language to write an operating system.

C++ is a high-level programming language developed by Bjarne Stroustrup at Bell Labs. C++ adds object-oriented features to its predecessor, C. C++ is one of the most popular programming language for graphical applications, such as those that run in Windows and Macintosh environments

Training Basket has highly experienced C & C++ trainers who have also executed many projects.



C&C++

Course Duration : 50 Hours

OVERVIEW OF C

- C History and Standardization
- Importance of C
- Preprocessor and Header Files
- Programming Style
- Basic Structure of C Program

CONSTANTS, VARIABLES & DATA TYPES

- Character Set, C Tokens
- Keywords & Identifiers
- Data types in C
- Constants
- Variable names
- Overflow & Underflow of Data

OPERATORS & EXPRESSIONS

- Arithmetic operators
- Relational Operators
- Logical operators
- Increment and decrement operators
- Bitwise Operators
- Assignment operators
- Conditional Operators
- Special Operators
- Operator Precedence
- Operator Associativity

CONTROL STRUCTURES: BRANCHING

- Decision making with 'if statement'
- If...else statement
- Nested ifelse statement
- Elseif ladder
- Switch statement
- Goto statement The?: Operator

CONTROL STRUCTURES: LOOPING

- The While statement
- Do statement
- For statement
- Jumps in Loop



ARRAYS & STRINGS

- Declaration of an Array
- Initialization of Arrays
- Types of Arrays
- 1D, 2D, Multi D
- Compile Time Arrays and Runtime Arrays
- Limitations of an Array
- Declaration of Strings
- Initialization of Strings
- Operations performed on String
- String Handling
- Functions
- 2-D Strings

HANDLING POINTERS

- Understanding basics of Pointers
- Rules for Pointers
- Pointer Declaration
- Accessing a Variable through its Pointer
- Pointers and Arrays

FUNCTIONS

- Why Functions
- Types of Functions
- A Multi Functional Program
- Return Values & their types
- Call By Value and Call By Reference
- Arguments & Return Types
- Nesting of Functions
- Recursion

Scope / Visibility Of Variables

- Auto Storage Class
- Register Storage Class
- Static Storage Class
- Extern Storage Class

STRUCTURES & UNIONS

- Defining a Structure
- Why a Structure is used? Structure
- Initialization Arrays With in Structures
- Arrays Of Structures



- Structures within Structures
- Passing structures to Functions
- Unions & its properties
- Access Union Member

POINTERS

- Pointers and Addresses
- Initialization Of Pointers
- Pointer to Pointer
- Pointer Expressions
- Pointer Increments and Scale factors
- Pointers and Arrays
- Pointers and Strings
- Arrays of Pointers in Strings
- Pointers as Function Arguments
- Function returning Pointers
- Null Pointers in C

DYNAMIC MEMORY ALLOCATION

- malloc
- calloc
- realloc
- free

FILE HANDLING IN C

- What is a File?
- File Structure
- Defining & Opening a File
- Input/Output Operations on Files

INTRODUCTION TO OOPS CONCEPTS

- Object Oriented Programming Style
- Difference between Modular Approaches & OOPS
- Concepts of Object Oriented Language

FUNCTIONS AND VARIABLES

- Functions: Declaration and Definition
- Variables: Definition, Declaration and Scope

CLASSES & OBJECTS

- History of C++
- Input Output Operators
- Cascading Of Operators
- Classes in C++



- Defining Classes in C++
- Ways Of creating Objects
- Nesting Of Member Functions
- Arrays within class
- Arrays of objects
- Static Data Member
- Static Member Functions
- Objects as Function Arguments
- Friend Functions
- Passing Objects by reference in Friend Functions

USING CONSTRUCTORS

- Constructors and its Types
- Creating & Accessing an Objects
- Multiple Constructors and Initialization Lists
- Defining Constructors outside the class
- Constructors with default arguments
- Dynamic Initializing of Objects
- Using Destructors to Destroy Instances

POLYMORPHISM

- Overview of Polymorphism Function
- Overloading Operator Overloading
- Working with Overloaded Operator Methods
- Overloading of Unary Operator
- Overloading Of Binary Operators
- Overloading Of Increment and Decrement Operators

TYPE CONVERSIONS

- Built in to User defined
- User Defined to Built In Type
- User Defined To User Defined Type

INHERITANCE

- Overview of Inheritance
- Defining Base and Derived Classes
- Types Of Inheritance
- Visibility Specifiers
- Virtual Base Class
- Constructors in Derived Class Containership



EXCEPTION HANDLING

- Exceptions
- Inheritance and Exceptions
- Exception Hierarchies
- Inside an Exception Handler

INPUT / OUTPUT FILE STREAMS

- Introduction of File streams Modes
- Opening a File
- Closing a File
- Writing to a File
- File Pointers

TEMPLATES

- Template Overview
- Customizing a Template
- Method Function Templates
- Multiple Template Types
- Class Templates
- Templates with Multiple Parameters



Q: Why should I choose Training Basket over other training providers?

Ans. Training Basket provides a unique amalgamation of quality, convenience, flexibility and cost. Training Basket has some of the best trainers in the industry. Our trainers excel not just in depth and width of knowledge, but also in their patience and ability to explain difficult concepts in simple terms.

Training Basket has made serious investments with long-term vision for ensuring good environmental factor for studies by first buying their own suites in the prestigious iThum Towers in NOIDA, Sec-62. This lets us configure our labs and classroom suited best to our student's comfort and focused studies.

Q: What is the criterion for availing the Training Basket job assistance program?

Ans: All Training Basket students who have successfully completed their training in any of our courses are directly eligible for placement assistance.

Q: Which are the companies that Training Basket has placed students in the past?

Ans: We have exclusive tie ups with MNC's like Ericsson, Cisco, Cognizant, Tech Mahindra, MEON, Bingo, Genpact etc.

Q: Do I need a prior industry experience in getting an interview opportunity?

Ans: There is no need to have prior opportunity for getting an interview call. The successful completion of any industry level technology training at Training Basket is like an industry experience. This training makes you confident to clear interviews and we also conduct in-house mock interviews on our online assessment platform where we assess our student's skills by testing their code online or industry specific assessment before sending them for interviews.

Q: How does Training Basket assist in placement?

Ans: You will be guided on creating an attractive template based resume. You will get opportunity to attend free personality development program and mock interviews conducted by our SME's to boost your confidence for real interviews. Plus you will be given our level assessment platform where we assess our student's skills by testing their code online or industry specific assessment.

Q: If I don't clear in first attempt, will I get another chance?

Ans: Yes, for sure. Your resume will be active on our job portal and will be visible to all our associates and clients. Training Basket will continue to send your resume to future job requirements matching your profile till you land a job.

Q: Does Training Basket Guarantee job through it's job assistance program ?

Ans: Training Basket does not guarantee job placement but it will continue to assist you on best efforts basis to place you in it's affiliated companies' network.

COMPANIES WHERE OUR STUDENTS ARE PLACED

**Tech
Mahindra**



Source Soft Solutions
We only believe in the best

Chi Networks™

ADS-eVER

MEON
DELIVERING GREAT SURFACES

BioMax™



Bingo
Change • Innovate • Lead

Dimensions
Five Dimensions Infotech

WTS Webtech Solutions

HCL

IBM

Infosys

accenture

HUAWEI

**Reliance
Jio Infocomm**

pinga™ solutions

DATA BRIDGE
MARKET RESEARCH

CoreIP
Technology Pvt Ltd

iSOURCE

**network
solutions**



Shailers
Solutions...for your need



SAMSUNG

indiatech
Solutions