

## **C++**

### Topics to be covered (Theory + Questions)

Lecture-1 Introduction to C++  
Lecture-2 Identifiers  
Lecture-3 Input output  
Lecture-4 Reference Variables  
Lecture-5 Arithmetic Instruction  
Lecture-6 Loops  
Lecture-7 Switch case  
Lecture-8 Decision Control  
Lecture-9 Arrays  
Lecture-10 Strings  
Lecture-11 Pointers  
Lecture-12 Function  
Lecture-13 Dynamic Memory Allocation  
Lecture-14 Structure  
Lecture-15 Classes and Objects  
Lecture-16 Static Members  
Lecture-17 Constructor  
Lecture-18 Operator overloading  
Lecture-19 Friend Function  
Lecture-20 Inheritance  
Lecture-21 Constructor and Destructor in Inheritance  
Lecture-22 new and delete  
Lecture-23 Method Overriding  
Lecture-24 Virtual Function  
Lecture-25 Abstract Class  
Lecture-26 Template  
Lecture-27 File Handling  
Lecture-28 Initializers  
Lecture-29 Deep Copy and Shallow Copy  
Lecture-30 namespace  
Lecture-31 Nested Class  
Lecture-32 Introduction to STL  
Lecture-33 STL Containers  
Lecture-34 Array in STL  
Lecture-35 pair and tuple in STL  
Lecture-36 Vector Class in STL  
Lecture-37 map class in STL  
Lecture-38 string class in STL

### Regarding Workshop

.....Eligibility.....

- Recommended to only those students who want to learn something and are interested in exploring things.
- Reviews of students who attended:-  
<https://fb.watch/6j2j8aWSj3/>  
<https://fb.watch/v/2IQxYYdvc/>

### Must Read

The major things we will keep in mind are:

- Focus on quality, not quantity. Rather than learning many questions in a day, we will focus on doing a few but with absolute clarity.
- Similarly giving just 3–4 hours of focused attention is better than 8–10 hours of diverted attention. ( We will go through some exercise and powerful yoga practise to improve our efficiency and confidence during our important time).
- Keep the negativity aside. There will be days you might do just a single question or maybe some of your friends did a lot better, just don't let that slow you down as what finally matters is you being better every day.
- One of the biggest pieces of advice is to have at least one good circle of determined people and here we will provide too. (Encourage each other to be consistent and do more. Have exciting discussions about algorithms)
- Many such strategies you will get to know after joining our workshops.
- Don't be demotivated at any time initially as what you are aiming for is the result after a few months of hard work and believe me, it will all be worth it.

For More information contact us

Email:- [learntothrive1tt@gmail.com](mailto:learntothrive1tt@gmail.com)

Contact Number:-

Mayank Patidar 7773034005