

## Topics to study

### Basics of C++

Keywords

Data types- long, short, signed, unsigned

Variables declaration

Pseudo code

Loops, data types, if else

Scope of variables - global, local, block

Printf, scanf, fast input output

Comments

Precedence of operators

Pass by value, pass by reference

Oops concept

Struct, class, difference b/w them

Finding time complexity

How to take infinite input

Header files - bits/stdc++.h

Stl in c++

Prime number

Bitwise operations - or, not, and, xor, <<, >>

#define, macros, templates (for cp)

Number theory basics

Puzzles

Modulus operator

Fibonacci numbers (naive, recursion, matrix, binet's)

Tribonacci series

Catalan numbers