

C Syllabus

~By Rohan Kumar

1. Basic Introduction
2. Syntax / Structure of c
3. Comments
4. Data Types
5. Variables
 - 5.1. Constant
6. Input & Output
 - 6.1. Format Specifier
7. Operators
 - 7.1. Arithmetic Operator (+, -, *, /, **, %, ++, --)
 - 7.2. Assignment Operator (+=, -=, *=, /=, **=, %=)
 - 7.3. Comparison Operator (==, !=, >, <, >=, <=)
 - 7.4. Logical Operators (&&, ||, !)
 - 7.5. Bitwise Operator (&, |, ^, >>, <<, ~)
8. IF – Else
9. Switch Cases
10. Introduction to Loops
 - 10.1. For loop
 - 10.2. While loop
 - 10.3. Do-while loop
 - 10.4. Comparison between of them.
 - 10.5. Break & Continue

- 11. Introduction to arrays
 - 11.1. One Dimensional
 - 11.2. Multi-Dimensional
 - 11.3. Matrix Sum & Multiplication
- 12. Strings
- 13. Pointers
 - 13.1. Pointers and Arrays
 - 13.2. Dereference Operator
- 14. Introduction to Functions
 - 14.1. Call by value & call by reference.
 - 14.2. Actual Parameter & Formal Parameter.
 - 14.3. Functions with Pointer.
 - 14.4. Variable Scope
 - 14.4.1. Local Scope
 - 14.4.2. Global Scope
 - 14.5. Recursion Concept
- 15. Introduction to Files
 - 15.1. Read
 - 15.2. Write
- 16. Structure & Unions
- 17. Enumeration