Sailing The Sea Of C

Day	Session 1-10:30 to 12:30	Session 2 - 12:50 to 2:50	Session 3-3:10 to 5:10
Day 1 15/04/2025	-Block Diagram Of Computer, -C language basics and history -Syntax - printf, scanf, - keywords, - Data types, Variables, - **Operators** (7 types), - type casting - Area of circle, - Fahrenheit to Celsius Convertor	Control Structure(**If else, nested if, switch**) -Adult , Young Code - Pass - Fail Code -even odd code - leap year check **Loop** - print n numbers, -sum of first n numbers, -condition in loop, - Prime numbers, - Fibonacci series -sum of all digits in number -reverse number	**Patterns** -Start rectangle - number rectangle - start triangle - number triangle - Alphabet Triangle - floyed Triangle -hollow rectangle Revision Of whole day and complete any topic if remaining
Day 2 16/04/2025	Revision Of Condition & Loop **Array** - 1-D array Basics - array problems - sum of all elements , -find maximum, -sort array, -reverse array - check palindrome	**2-D Array basics** - searching element - maximum element - sum of two matrix - multiplication of two Matrices **String** - String initialization - String methods -Palindrome Check	(String methods if remaining) - **Functions** - call by value, reference - swap two numbers - **recursion** - print n numbers - factorial - Fibonacci series -Power of a number - Revison Of Whole Day
Day 3 17/04/2025	- Revision of Array & String -**Pointer** -**Structure** Initialization - Student Structure to store info.	- **File Handling** - fopen, fprintf, fscanf, fclose - Reading/ writing from text files	**D.M.A.-** malloc, calloc, realloc Doubt Solving Sesson PYQs (in the remaining time)

All Codes Will be Available After Each Session On - [Github](#).