

Roadmap Of C Language

1. Introduction of Programming and Programming language ?

It is set of instruction or task given to a system to perform any logical, mathematical operation.

It is a medium through which we can communicate or interact with system to perform any task .

2. Machine Language, Assembly language, Procedural Oriented, Object Oriented Programming, Natural language ?

Machine Language : 0 and 1 (1G) (low level)

Assembly Language : Symbolic Constant (ADD, SUB) (2G) (low level)

Procedural Oriented : Process based programmed language, function (high level)

Object Oriented : Data based programming language, data and object, classes (high level)

Natural Language (example : python, AI, machine learning)

3. Introduction of Compiler and Interpreter

Compiler : Execution of Code once at a time

Interpreter : Execution of code line by line

4. Introduction of C language

C is High Level Language, It is developed by Dennis Ritchie in year 1972. It is General Purpose Procedural Oriented Language. It is Compiler based language or It's code execute through compiler.

Features

Application

5. How to learn any programming language ?

6. History of C language

7. First Program of C language (done)

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8. Understanding of Basic Structure of C language (done)

9. Token, Keyword, Identifier (done)

10. Variable, Constant, datatype and format specifier

11. User Input

12. Operator

13. Typecasting and Expression

14. Inbuilt Function (Math, String)

15. Conditional branches (if -else, switch, break)

16. Loop (for, while, do while), escape statement

17. Array (single, multidimensional array)

18. String Handling

19. Function

20. Pointer

21. Structure and union

22. File handling

it is a medium through which we can communicate with system perform logical mathematical task