



SOFTWARE

DEVELOPMENT TRAINING

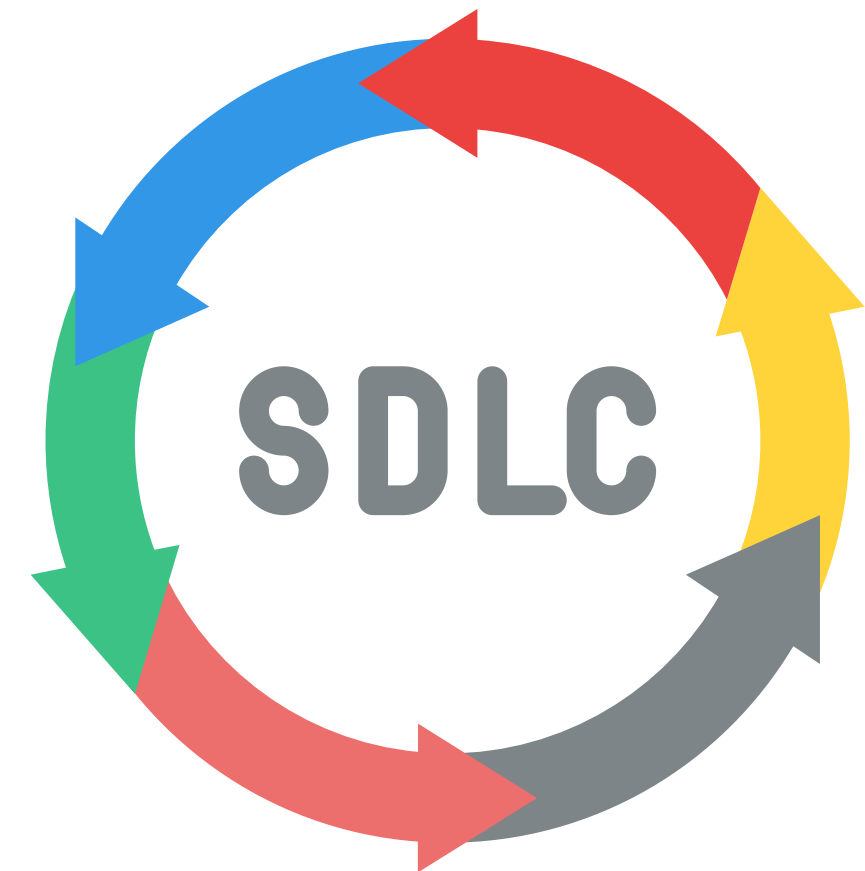
In 2018, "technology jobs " dominated most of the "hottest jobs" lists. The trends will not change in 2023 as the Digital economy has arrived.



Software Development Life Cycle (SDLC) ...



- 1) Requirements Gathering and Analysis
- 2) System Design and Architecture
- 3) Software Development Methodologies (e.g., Waterfall, Agile, Scrum)
- 4) Project Planning and Management
- 5) Risk Analysis and Management
- 6) Software Development Tools and Environments
- 7) Coding and Implementation
- 8) Unit Testing and Test-Driven Development (TDD)
- 9) Integration Testing and System Testing
- 10) Debugging and Troubleshooting
- 11) Version Control Systems (e.g., Git, SVN)
- 12) Continuous Integration and Continuous Delivery (CI/CD)
- 13) Deployment and Release Management
- 14) User Acceptance Testing (UAT)
- 15) Maintenance and Support



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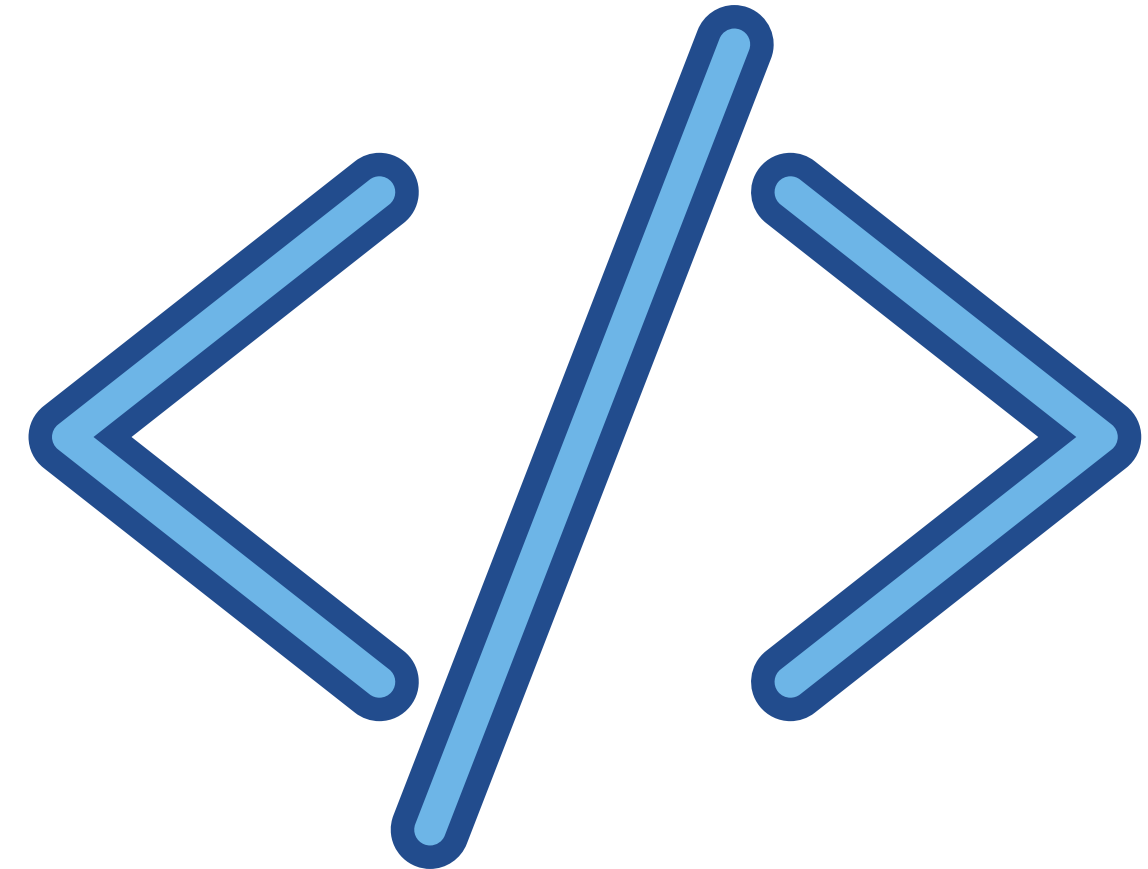
- 17) Software Documentation (Requirements, Design, User Manuals)
- 18) Software Configuration Management
- 19) Change Management and Versioning
- 20) Software Metrics and Performance Monitoring
- 21) Security and Vulnerability Assessments
- 22) Software Licensing and Intellectual Property
- 23) Collaboration and Communication Tools (e.g., Jira, Confluence)
- 24) Software Project Estimation and Resource Allocation
- 25) Agile Development Practices (e.g., Sprint Planning, Daily Stand-ups)
- 26) DevOps Principles and Practices
- 27) Software Maintenance and Legacy Systems



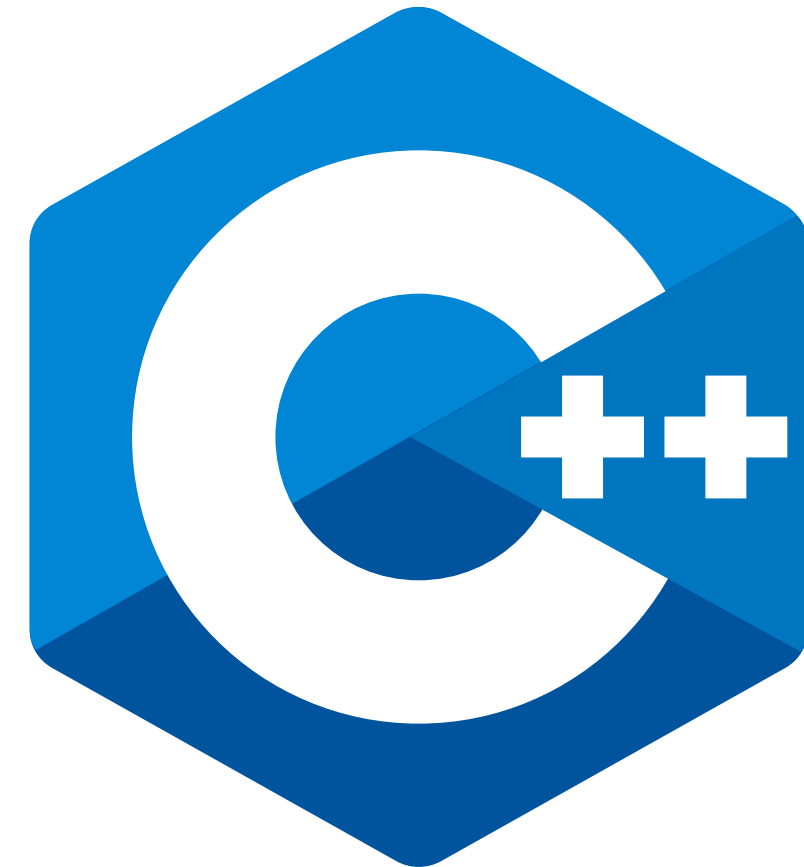
- 1) Introduction to C
- 2) Variables and Data Types
- 3) Input and Output (I/O)
- 4) Operators and Expressions
- 5) Control Structures (if-else, switch-case, loops)
- 6) Arrays & Strings
- 7) Functions
- 8) Pointers
- 9) Structures and Unions
- 10) File Handling
- 11) Memory Management (malloc, calloc, realloc, free)
- 12) Preprocessor Directives (macros, conditional compilation)
- 13) Bitwise Operations
- 14) Recursion
- 15) Error Handling (error codes, error handling mechanisms)



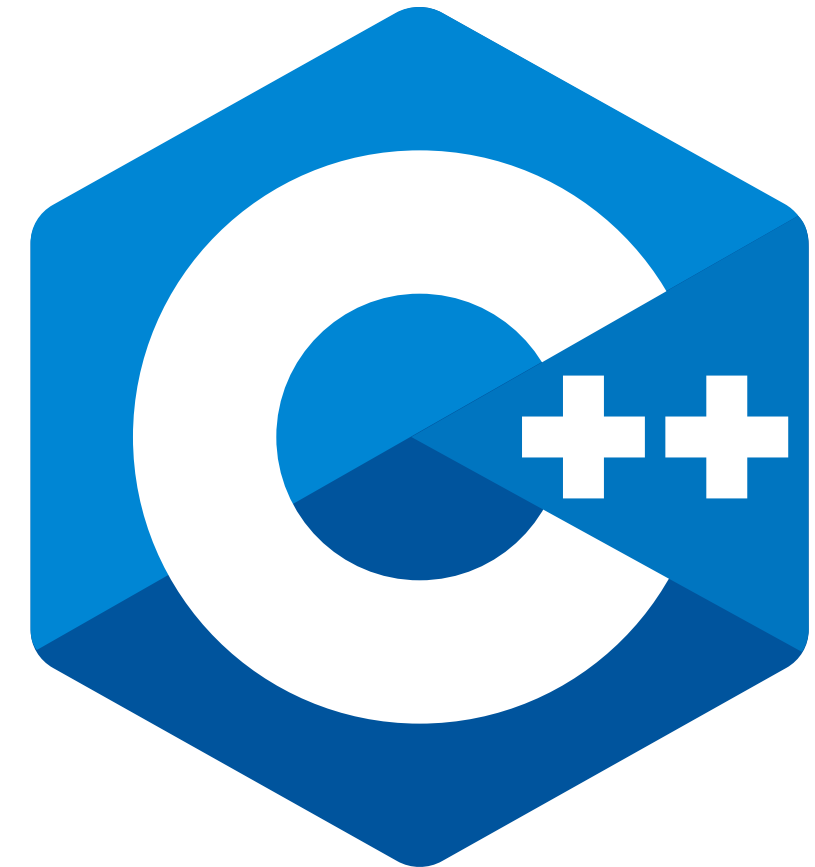
- 16) Command Line Arguments
- 17) Dynamic Memory Allocation
- 18) Enumerations and Constants
- 19) Bit Fields
- 20) File I/O (Reading/Writing to Files)
- 21) Recursion
- 22) Command Line Input/Output
- 23) Variable Scope and Storage Classes
- 24) Debugging and Testing Techniques
- 25) Real time projects



- 1) Introduction to C++
- 2) Variables and Data Types
- 3) Input and Output (I/O) Streams
- 4) Operators and Expressions
- 5) Control Structures (if-else, switch-case, loops)
- 6) Arrays and Strings
- 7) Functions and Function Overloading
- 8) Pointers and References
- 9) Classes and Objects
- 10) Constructors and Destructors
- 11) Inheritance and Polymorphism



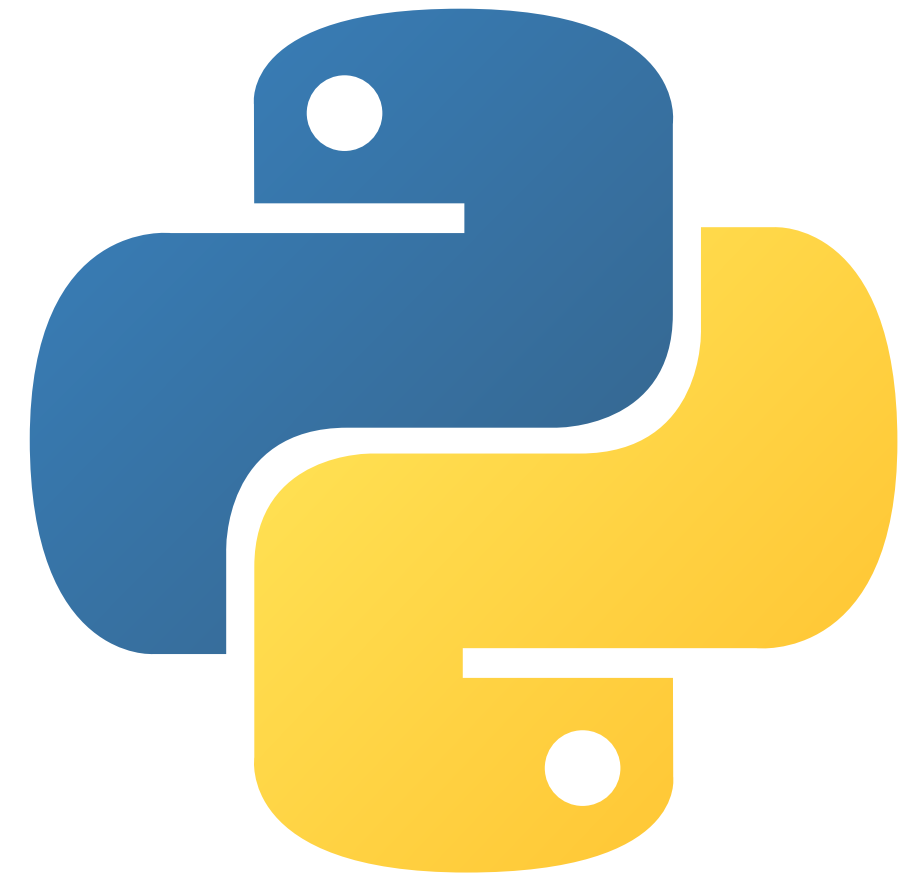
- 12) Function and Operator Overloading
- 13) Encapsulation and Data Abstraction
- 14) Templates and Generic Programming
- 15) Standard Template Library (STL)
- 16) Exception Handling
- 17) File Handling
- 18) Dynamic Memory Management (new and delete operators)
- 19) Namespaces
- 20) File I/O (Reading/Writing to Files)
- 21) Debugging and Testing Techniques



- 1) Embedded Systems
- 2) Introduction To Python Programming
- 3) Python - Environment Setup
- 4) Python - First Program
- 5) How Does Python Code Run
- 6) Python Reserved Words
- 7) Python Syntax - Lines and Indentation, Comment
- 8) Python - Variables
- 9) Python - Data Types
- 10) Python - Operators
- 11) Python - Decision Making Statement



- 12) Python –Loop Statement
- 13) Python - Functions
- 14) Python - Modules
- 15) Python - Packages
- 16) Python - Files I/O operations
- 17) Python - Files Handling(os modules)
- 18) Python - Exceptions Handling and Assertions
- 19) Python – Regular Expression
- 20) Python – Real world Automation Projects(5G NR
KPI Calculation ,5G Throughput Calculation ,QXDM
LTE/NR Logs analysis,xml analysis)





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THANK YOU

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