

MLSA Boot-camp 2022

Introduction Session:

- Motivation behind the Boot-camp.
- Scope of Pakistan and International market.
- Software Developer vs Software Engineer.
- How to make your CV/cover letter.
- What you need to enter in Remote Jobs.
- How to write a good Email.
- How to make a good profile(LinkedIn)
- How to make a good profile(GitHub)
- How to get involve in Tech through GitHub.

Week#1:

- Leetcode 5 to 7 practice questions(Python and C++)
- Core concepts (Pillars of OOP)
- Types of Inheritance.
- What is Diamond Problem?
- DDL, DML, DQL,DCL
- Compile Time & Runtime Polymorphism.
- Indexing & its methods
- Normalization
- Joins and its Types

Week#2:

- leetcode 5 to 7 practice questions(Python and C++)
- Constructor & Destructor
- Difference between in and between.
- Static Keyword in Class, Method & Field
- Final Keyword in Class, Method & Field.
- Composite Key, Primary Key, Foreign Key
- Composition, Aggregation & Association.
- Differentiate between shallow and deep copy

Week#3:

- Leetcode 5 to 7 practice questions(Python and C++)
- SOLID Principles
- Relationships
- Transaction, Commit & Rollback
- Views & Triggers

- SQL Queries
- HTTP session
- Abstraction vs Encapsulation
- Abstract Class vs Interface Class
- Overriding & Overloading
- Static & Dynamic Binding

Week#4:

- Leetcode 5 to 7 practice questions(Python and C++)
- Pointer, dangling pointer and memory leakage.
- What is “this” pointer? What does it represent?
- Use of Super keyword
- Difference between a Structure and a Class.
- Difference between Immutable and Mutable strings
- TCP/IP model vs OSI model
- POST & GET Request
- Cookies

Week#5:

- Leetcode 5 to 7 practice questions(Python and C++)
- Implement Stack using Queue
- Implement Queue using Stack
- Middle of a Linked List
- Insert/Delete at nth node of Linked List
- Merge two Linked Lists

Week#6

- Leetcode 5 to 7 practice questions (Python and C++).
- Reverse a Linked List
- Binary Search Tree
- Sorting Algorithms
- Difference between List, Array & Vector
- Find Linked List is circular or not
- Write a program to implement a stack with push and pop functionality.

Learning will not be End until the End point.

Resources and Connection that will help you to get Enter in your dream Software House Inshallah.

If you are dedicated, consistent and passionate you will get the dream Job easily.

To join MLSA Boot-camp 2022 join us>

Or

Contact Us:

<https://chat.whatsapp.com/lvDLNQLedkflrpv14K7QzL>

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