

নিয়ম:

- প্রতিদিন ১-২ ঘণ্টা সময় দাও
 - প্রথমে ১০-১৫ মিনিট syntax ঝালাই করো (যদি লাগে)
 - Problem solve করার আগে paper/pen দিয়ে logic লিখে নাও
 - LeetCode-এ solve করো, Python 3 বেছে নাও
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Week 1 — Python Basics + Easy Problems

লক্ষ্য: Python syntax + basic problem-solving flow আয়ত্ত্ব করা

Topics: Variables, loops, conditions, lists, strings, functions

Day 1

- Python setup + basic I/O
- Problem: "Sum of Two Numbers"
- Problem: "Find Max in List"

Day 2

- Loops + Conditional practice
- Problem: "Odd or Even"
- Problem: "Count Vowels in a String"

Day 3

- List & String manipulation
- Problem: "Reverse String"

- Problem: "Palindrome Check"

Day 4

- Functions
- Problem: "Factorial of a Number"
- Problem: "Fibonacci Series"

Day 5

- List comprehensions
- Problem: "Squares of Numbers in List"
- Problem: "Filter Even Numbers"

Day 6

- Nested loops
- Problem: "Multiplication Table"
- Problem: "Pattern Printing"

Day 7

- Weekly revision + 3 Easy LeetCode problems

Week 2 — Arrays & Hashing

লক্ষ্য: FAANG interviews-এর সবচেয়ে সাধারণ section

Day 8 — Arrays Basics

- Problem: "Running Sum of 1D Array" (LeetCode #1480)
- Problem: "Maximum Number in List"

Day 9 — HashMap Basics

- Problem: "Two Sum" (LeetCode #1)
- Problem: "Contains Duplicate" (LeetCode #217)

Day 10 — Frequency Count

- Problem: "Valid Anagram" (LeetCode #242)

Day 11 — Prefix Sum

- Problem: "Subarray Sum Equals K" (LeetCode #560)

Day 12 — Sliding Window Basics

- Problem: "Best Time to Buy and Sell Stock" (LeetCode #121)

Day 13 — Practice Day

- 4 Easy + 1 Medium array problems

Day 14 — Weekly revision

Week 3 — Two Pointers & Strings

লক্ষ্য: Interview favorite problems

Day 15

- Problem: "Valid Palindrome" (LeetCode #125)
- Problem: "Move Zeroes" (LeetCode #283)

Day 16

- Problem: "Reverse Words in a String" (LeetCode #151)

Day 17

- Problem: "Remove Duplicates from Sorted Array" (LeetCode #26)

Day 18

- Problem: "Merge Sorted Array" (LeetCode #88)

Day 19

- Problem: "Longest Substring Without Repeating Characters" (LeetCode #3)

Day 20 — Practice Day

- 5 Easy string/array problems

Day 21 — Weekly revision

Week 4 — Stack, Queue, Recursion

লক্ষ্য: DSA-এর পরবর্তী স্তরে যাওয়া

Day 22 — Stack Basics

- Problem: "Valid Parentheses" (LeetCode #20)

Day 23 — Queue Basics

- Problem: "Implement Queue using Stacks" (LeetCode #232)

Day 24 — Recursion Basics

- Problem: "Factorial" (recursive)
- Problem: "Fibonacci" (recursive)

Day 25 — More Stack Problems

- Problem: "Min Stack" (LeetCode #155)

Day 26 — Recursion Practice

- Problem: "Power of Two" (LeetCode #231)

Day 27 — Mix Practice

- 3 Easy + 1 Medium stack/recursion problem

Day 28 — Revision + Timed Practice (simulate interview)

Day 29 — Final Easy + Medium Mix

- Pick 5 random problems from NeetCode 150 (Easy + Medium)

Day 30 — Mock Interview

- Pick 2 Medium problems, solve in 45 minutes total