Day - 2

**Data Types &**

**String manipulation**

Data Types, Numbers, Operators, Type Conversion, f-strings

**2.1 Course Sections**

1. Introduction
2. Big O Notation
3. Analyzing Performance of Arrays and Objects
4. Problem Solving Approach
5. Problem Solving Patterns
6. 100% OPTIONAL Challenges
7. Recursion
8. Recursion Problem Set
9. Bonus CHALLENGING Recursion Problems
10. Searching Algorithms
11. Bubble Sort
12. Selection Sort
13. Insertion Sort
14. Comparing Bubble, Selection, and Insertion Sort
15. Merge Sort
16. Quick Sort
17. Radix Sort
18. Data Structures Introduction
19. Singly Linked Lists
20. Doubly Linked Lists
21. Stacks + Queues
22. Binary Search Trees
23. Tree Traversal
24. Binary Heaps
25. Hash Tables
26. Graphs
27. Graph Traversal
28. Dijkstra's Algorithm!
29. Dynamic Programming
30. The Wild West