

Postorder 1: Recursive Solution

Filename: po_01_standard.cpp

Source: <https://github.com/prithviraj-it20/postorderTraversal/blob/main/PostorderTraversal.cpp>

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 2: Iterative Postorder (Two Stacks)

Filename: po_02_iterative_2stack.cpp

Source: <https://github.com/amanhex/Leetcode-Solutions/blob/main/145.%20Binary%20Tree%20Postorder%20Traversal.cpp>

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 3: Iterative Postorder (1-Stack Reverse Strategy)

Filename: po_03_iterative_reverse.cpp

Source: <https://github.com/cruxrebels/InterviewBit/blob/master/Trees/PostorderTraversal.cpp>

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 4: Morris Postorder Traversal

Filename: po_04_morris.cpp

Source: [https://github.com/liyubobobo/Play-with-Algorithms/blob/master/05-Binary-Search-Tree/Course%20Code%20\(C%2B%2B\)/Optional-10-Binary-Tree-Morris-Traversals/postorder.cpp](https://github.com/liyubobobo/Play-with-Algorithms/blob/master/05-Binary-Search-Tree/Course%20Code%20(C%2B%2B)/Optional-10-Binary-Tree-Morris-Traversals/postorder.cpp)

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Postorder 5: Iterative Postorder (Complex 1-Stack with Visited Pointer)

Filename: po_05_iterative_complex.cpp

Source: https://github.com/fit-coder/fitcoderyoutube/blob/master/tree/construct_tree_from_inorder_and_postorder_iterative.cpp

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 6: Pure C Recursive Implementation

Filename: po_06_pure_c.cpp

Source: Generated by Gemini 3 pro

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Postorder 7: Iterative Postorder (Stack with Boolean Flag) Filename: po_07_iterative_flag.cpp

Source: <https://github.com/kamyu104/LeetCode-Solutions/blob/master/C%2B%2B/binary-tree-postorder-traversal.cpp>

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Postorder 8: Iterative with State Enum (0, 1, 2)

Filename: po_08_iterative_state.cpp

Source: <https://github.com/wisdompeak/LeetCode/tree/master/Tree/145.Binary-Tree-Postorder-Traversal>

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 9 : Recursive with Helper Reference

Filename: po_09_recursive_helper.cpp

Source:<https://github.com/haoel/leetcode/blob/master/algorithms/cpp/binaryTreePostorderTraversal/binaryTreePostorderTraversal.cpp>

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Postorder 10 : Recursive Functor Object

Filename: po_10_functor.cpp

Source: Gemini 3 Pro

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 11 : Iterative Stack with NULL Marker

Filename: po_11_null_marker.cpp

Source: Generated by Gemini 3 Pro

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 12 : Recursive with Member Variable

Filename: po_12_recursive_member.cpp

Source: Generated by Gemini 3 Pro

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 13 : Iterative Simulated Stack Frame (Program Counter)

Filename: po_13_simulated_pc.cpp

Source: LLM Generated (Gemini)

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 14 : Iterative using Vector Stack (Contiguous Memory)

Filename: po_14_vector_stack.cpp

Source: LLM Generated (Gemini)

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 15 : Iterative using List Stack (Heap Fragmentation)

Filename: po_15_list_stack.cpp

Source: LLM Generated (Gemini)

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 16 : Iterative Raw Array Stack (No STL)

Filename: po_16_raw_array_stack.cpp

Source: LLM Generated (Gemini)

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 17 : Polymorphic Visitor Pattern (Virtual Calls)

Filename: po_17_visitor.cpp

Source: LLM Generated (Gemini)

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 18 : C-Style Function Pointers (Callback)

Filename: po_18_function_pointer.cpp

Source: LLM Generated (Gemini)

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 19 : Iterative using Deque (Double Indirection)

Filename: po_19_deque.cpp

Source: LLM Generated (Gemini)

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Postorder 20 : Struct of Arrays (Global Indexing)

Filename: po_20_struct_of_arrays.cpp

Source: LLM Generated (Gemini)

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Postorder 21 : Iterative Destructive (Sign Bit Marking)

Filename: po_21_destructive_sign.cpp

Source: LLM Generated (Gemini)

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 22 : Iterative with Goto (Unstructured)

Filename: po_22_goto_spaghetti.cpp

Source: LLM Generated (Gemini)

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Postorder 23 : Iterative Tagged Pointer (Bitwise State)

Filename: po_23_tagged_pointer.cpp

Source: LLM Generated (Gemini)

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 24 : Iterative Explicit Continuation (Task Stack)

Filename: po_24_task_stack.cpp

Source: LLM Generated (Gemini)

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 25 : Iterative Stack (Peek & Prune)

Filename: po_25.Peek_prune.cpp

Source: LLM Generated (Gemini)

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Postorder 26 : Iterative with std::set (External State)

Filename: po_26_std_set.cpp

Source: LLM Generated (Gemini)

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 27 : Iterative with Bit-Vector (Bitwise Logic)

Filename: po_27_bit_vector.cpp

Source: LLM Generated (Gemini)

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 28 : Recursive with Exception Flow (Throw/Catch)

Filename: po_28_exception_flow.cpp

Source: LLM Generated (Gemini)

Key OD: The integer sequence printed to stdout (Left -> Right -> Root)

Postorder 29 : Iterative with Map State (External Lookup)

Filename: po_29_map_state.cpp Source: LLM Generated (Gemini)

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Postorder 30 : Stackless Iterative (Parent Map Backtracking)

Filename: po_30_parent_map.cpp

Source: LLM Generated (Gemini)

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