

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/liuyubobobo/Play-with-Algorithms/blob/master/05-Binary-Search-Tree/Course%20Code%20\(C%2B%2B\)/Optional-10-Binary-Tree-Morris-Traversal/postorder.cpp](https://github.com/liuyubobobo/Play-with-Algorithms/blob/master/05-Binary-Search-Tree/Course%20Code%20(C%2B%2B)/Optional-10-Binary-Tree-Morris-Traversal/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](https://github.com/fit-coder/fitcoderyoutube/blob/master/tree/construct_tree_from_inorder_and_postorder_iterative.cpp)

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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)

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

Postorder 21 : Iterative Destructive (Sign Bit Marking)

Filename: po\_21\_destructive\_sign.cpp

Source: LLM Generated (Gemini)

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Postorder 22 : Iterative with Goto (Unstructured)

Filename: po\_22\_goto\_state.cpp

Source: LLM Generated (Gemini)

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

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)

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

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)

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

Postorder 30 : Stackless Iterative (Parent Map Backtracking)

Filename: po\_30\_parent\_map.cpp

Source: LLM Generated (Gemini)

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