***Algorithm***

1. *Start with an initial node (source).*
2. *Use a stack to keep track of nodes to visit.*
3. *Mark nodes as visited to avoid revisiting.*
4. *While the stack is not empty:*
   * *Pop a node from the stack.*
   * *Process the node (e.g., print or store it).*
   * *Push all its unvisited neighbors onto the stack in reverse order.*
5. *End when all nodes are visited.*