Sketch of Eulerian Circuit Algorithm

This is an algorithm to find an Eulerian circuit in a connected graph in which every vertex has even degree.

1. Choose any vertex v and push it onto a stack. Initially all edges are unmarked.

2. While the stack is nonempty, look at the top vertex, u, on the stack. If u has an unmarked incident edge, say, to a vertex w, then push w onto the stack and mark the edge uw. On the other hand, if u has no unmarked incident edge, then pop u off the stack and print it.

When the stack is empty, you will have printed a sequence of vertices that correspond to an Eulerian circuit.