In this program, the **Breadth-First Search (BFS)** algorithm is used to traverse a graph represented by an adjacency list. The program starts from a given node, marks it as visited, and uses a **queue** to explore all its neighbors level by level. The **range-based for loop** has been replaced with a **traditional index-based loop** to iterate through the neighbors of each node. This ensures compatibility with older C++ standards. The graph is initialized with some connections, and BFS is performed starting from node 0, printing the nodes in the order they are visited.

