```
#include <iostream>
#include <vector>
using namespace std;
void DFS(int node, vector<vector<int>>& adj, vector<bool>& visited) {
  visited[node] = true;
  cout << node << " ";
 for (int neighbor : adj[node]) {
   if (!visited[neighbor]) {
      DFS(neighbor, adj, visited);
   }
 }
}
int main() {
  int nodes, edges;
  cout << "Enter number of nodes and edges: ";</pre>
  cin >> nodes >> edges;
  vector<vector<int>> adj(nodes + 1); // adjacency list
  vector<bool> visited(nodes + 1, false);
  cout << "Enter edges (u v):" << endl;
 for (int i = 0; i < edges; ++i) {
    int u, v;
    cin >> u >> v;
    adj[u].push_back(v);
    adj[v].push_back(u); // For undirected graph
 }
```

```
int startNode;
  cout << "Enter starting node: ";</pre>
  cin >> startNode;
  cout << "DFS Traversal: ";</pre>
  DFS(startNode, adj, visited);
  cout << endl;
  return 0;
}
OUTPUT:
Sample Input:
Enter number of nodes and edges: 5 4
Enter edges (u v):
12
13
24
35
Enter starting node: 1
Output:
DFS Traversal: 1 2 4 3 5
```