```
#include <iostream>
#include <conio.h>
using namespace std;
void inorder(int[][10], int);
int main()
{
   int nodes, tree[10][10], x, y, root = 1;
   cout << "Please input the number of nodes : ";
   cin >> nodes;
   cout << "Please input the left-middle-right child array representation of the graph :";
   for (int i = 1; i <= nodes; i++)
   {

      cin >> x;
      cin >> y;
      tree[i][0] = x; //left child
      tree[i][1] = y; // right child
   }
   cout << endl
        << "Inorder traversal is :" << endl;
   inorder(tree, root);
   getch();
   return 0;
}

//Inorder traversal function

void inorder(int tree[10][10], int root)
{
 if(root == 0)
  return;
   //left child
   if (tree[root][0] != 0)  // tree[1][0] = 2  , // tree[2][0] = 0
      inorder(tree, tree[root][0]);

   cout << root << "\t"; // 2

   //right child
   if (tree[root][1] != 0) // tree[2][1]= 4
      inorder(tree, tree[root][1]);
}
```