```
#include<stdio.h>
 1
   #include<stdlib.h>
 3
   #include<iostream>
 4
   #include<stack>
 5
 6 using namespace std;
 7
 8 struct BinaryNode
 9
10
        struct BinaryNode *left;
        struct BinaryNode *right;
11
        int data;
12
13
   };
14
15
    stack <BinaryNode *> s;
16
17
18 struct BinaryNode * createBinaryNode(int data)
19
20
        struct BinaryNode * B= (struct BinaryNode *)malloc(sizeof(struct BinaryNode));
21
        B->left=NULL;
22
        B->right=NULL;
23
        B->data=data;
24
        return B;
25
   void preOrder(struct BinaryNode *root)
26
27
28
        if(root==NULL)
29
            return;
30
31
            s.push(root);
32
        while(!s.empty())
33
34
            struct BinaryNode *a=s.top();
35
            s.pop();
36
            printf("%2d\t",a->data);
37
            if(a->right)
38
39
                s.push(a->right);
40
            if(a->left)
41
                s.push(a->left);
42
43
44
45
   int main()
46
47
        struct BinaryNode * root=createBinaryNode(10);
48
        root->left=createBinaryNode(20);
        root->right=createBinaryNode(30);
49
50
        root->left->left=createBinaryNode(40);
51
        root->left->right=createBinaryNode(50);
52
        root->right->left=createBinaryNode(60);
53
        root->right->right=createBinaryNode(70);
54
55
        preOrder(root);
56
57
   }
```