

```

1  #include<stdlib.h>
2  #include<stdio.h>
3  #include<iostream>
4  #include<queue>
5
6  using namespace std;
7
8  struct BinaryNode
9  {
10     struct BinaryNode *left;
11     struct BinaryNode *right;
12     int data;
13 };
14
15 struct BinaryNode * createBinaryNode(int value)
16 {
17     struct BinaryNode *B=(struct BinaryNode *)malloc(sizeof(struct BinaryNode));
18     B->right=NULL;
19     B->left=NULL;
20     B->data=value;
21     return B;
22 };
23
24 queue<BinaryNode *> q;
25
26 void levelOrderTraversal(struct BinaryNode *root)
27 {
28     if(root==NULL)
29         return;
30     else
31         q.push(root);
32
33     while(!q.empty())
34     {
35         struct BinaryNode *temp=q.front();
36         printf("%2d\t",temp->data);
37         q.pop();
38         if(temp->left)
39             q.push(temp->left);
40         if(temp->right)
41             q.push(temp->right);
42     }
43 }
44
45 }
46
47 int main()
48 {
49     struct BinaryNode *root=createBinaryNode(20);
50     root->left=createBinaryNode(30);
51     root->right=createBinaryNode(40);
52     root->left->left=createBinaryNode(50);
53     root->left->right=createBinaryNode(60);
54     root->right->left=createBinaryNode(70);
55     root->right->right=createBinaryNode(80);
56
57     levelOrderTraversal(root);
58 }

```