

```

1  #include<stdio.h>
2  #include<stdlib.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->left=NULL;
19     B->right=NULL;
20     B->data=value;
21     return B;
22 }
23 queue<BinaryNode *> q;
24 int leftViewOfTree(struct BinaryNode *root)
25 {
26     int flag=0;
27     if(!root)
28         return 0;
29     q.push(root);
30     q.push(NULL);
31     printf("%d-->",root->data);
32     while(!q.empty())
33     {
34         struct BinaryNode *temp=q.front();
35         q.pop();
36         if(temp==NULL)
37         {
38             flag=1;
39             if(!q.empty())
40                 q.push(NULL);
41         }
42         else
43         {
44             if(flag==1)
45             {
46                 printf("%d-->",temp->data);
47                 flag=0;
48             }
49             if(temp->left)
50                 q.push(temp->left);
51             if(temp->right)
52                 q.push(temp->right);
53         }
54     }
55 }
56
57 }
58
59 int main()
60 {
61     struct BinaryNode *root=createBinaryNode(10);
62     root->right=createBinaryNode(20);
63     root->left=createBinaryNode(30);
64     root->left->left=createBinaryNode(40);
65     root->left->right=createBinaryNode(50);
66     root->right->right=createBinaryNode(60);

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```
67     root->right->left=createBinaryNode(70);
68
69     printf("left view of tree is \t");
70     leftViewOfTree(root);
71 }
72
```