

```

1  #include<stdio.h>
2  #include<stdlib.h>
3
4  struct BinaryTree
5  {
6      struct BinaryTree *left;
7      int data;
8      struct BinaryTree *right;
9  };
10
11 struct BinaryTree * CreateBinaryNode(int value)
12 {
13     struct BinaryTree *B=(struct BinaryTree *)malloc(sizeof(struct BinaryTree));
14     B->left=NULL;
15     B->right=NULL;
16     B->data=value;
17     return B;
18 };
19
20 void createMirrorImage(struct BinaryTree *root)
21 {
22     if(root==NULL || (!root->left&&!root->right))
23         return;
24     else
25     {
26         createMirrorImage(root->left);
27         createMirrorImage(root->right);
28         struct BinaryTree *temp=root->left;
29         root->left=root->right;
30         root->right=temp;
31     }
32 }
33
34 void preOrderTraversal(struct BinaryTree *root)
35 {
36     if(root==NULL)
37         return;
38     printf("%d-->", root->data);
39     preOrderTraversal(root->left);
40     preOrderTraversal(root->right);
41 }
42
43
44 int main()
45 {
46     struct BinaryTree *root;
47     root=CreateBinaryNode(10);
48     root->left=CreateBinaryNode(20);
49     root->left->left=CreateBinaryNode(30);
50     root->right=CreateBinaryNode(40);
51     root->right->right=CreateBinaryNode(50);
52     printf("Preorder Before Converting\n");
53     preOrderTraversal(root);
54     createMirrorImage(root);
55     printf("\nPreorder After Converting\n");
56     preOrderTraversal(root);
57 }

```