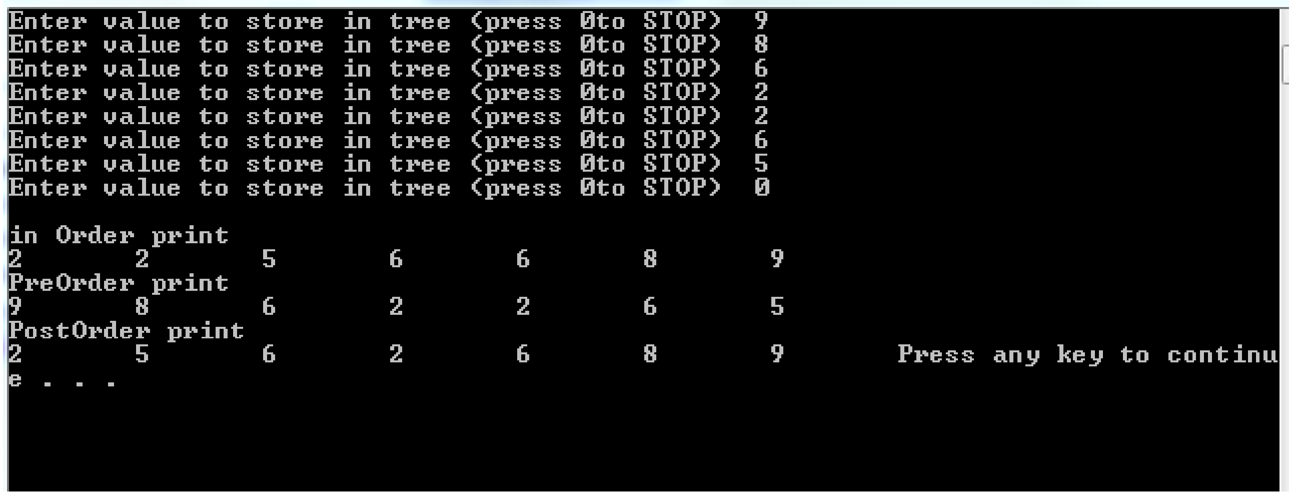
```
#include <iostream>
using namespace std;

class Binary
{
public:
    struct Node
    {
        Node *left ;
        Node *right;
        int value;

        Node(int value):left(nullptr),right(nullptr),value(value)
        {}
    };
    int count;

    Node *head;
    Binary():head(nullptr),count(0)
    {}
    Node* addNode(Node *node,int value)
    {
        if(nullptr == node)
            return new Node(value);
        if(value > node->value)
            node->right=addNode(node->right,value);
        else
            node->left=addNode(node->left,value);
        return node;
    }

    void printInOrder(Node *node)
    {
        if(node)
        {
            printInOrder(node->left);
            cout<<node->value<<"\t";
            printInOrder(node->right);

        }
    }

    void printPreOrder(Node*node)
    {
        if(node)
        {
            cout<<node->value<<"\t";
            printPreOrder(node->left);
            printPreOrder(node->right);

        }
    }

    void printPostOrder(Node*node)
    {
        if(node)
        {
            printPostOrder(node->left);
            printPostOrder(node->right);
            cout<<node->value<<"\t";

        }
    }

};
```

```
int main()
{
        Binary b1;
        b1.head=nullptr;
        int num;
        while(cout<<"Enter value to store in tree (press 0to STOP)  ",
              cin>>num,
              num)
        {
              b1.head=b1.addNode(b1.head,num);
        }
        cout<<"in Order print"<<endl;
        b1.printInOrder(b1.head);
        cout<<"PreOrder print"<<endl;
        b1.printPreOrder(b1.head);
        cout<<"PostOrder print"<<endl;
        b1.printPostOrder(b1.head);
}
```

OutPut:



```
Enter value to store in tree (press 0to STOP)  9
Enter value to store in tree (press 0to STOP)  8
Enter value to store in tree (press 0to STOP)  6
Enter value to store in tree (press 0to STOP)  2
Enter value to store in tree (press 0to STOP)  2
Enter value to store in tree (press 0to STOP)  6
Enter value to store in tree (press 0to STOP)  5
Enter value to store in tree (press 0to STOP)  0

in Order print
2       2       5       6       6       8       9
PreOrder print
9       8       6       2       2       6       5
PostOrder print
2       5       6       2       6       8       9       Press any key to continu
e . . .
```