二叉树存储以及遍历 模版

```
#include<bits/stdc++.h>
using namespace std;
struct node{
    int data;//节点
    int left;//左子树
    int right;//右子树
}a[30];

void preorder(int x){//先序遍历
    if(x==0)return;
    cout<<a[x].data;
    preorder(a[x].left);
    preorder(a[x].right);
}

void inorder(int x){//中序遍历
    if(x==0)return;
    inorder(a[x].left);
    cout<<a[x].data;
    inorder(a[x].right);
}

void postorder(int x){//后序遍历
    if(x==0)return;
    postorder(a[x].left);
    postorder(a[x].right);
    cout<<a[x].data;
}

int main()
{
    int n;
    cin>>n;
    for(int i=1;i<=n;i++)cin>>a[i].data>>a[i].left>>a[i].right;
    preorder(1);
    cout<<endl;
    inorder(1);
    cout<<endl;
    postorder(1);
}
```