Aim: To create a binary tree.

Code:

#include<iostream>

using namespace std;

struct TreeNode {

int value;

struct TreeNode\* left;

struct TreeNode\* right;

TreeNode(int val) {//constructor to initialize the node with a value

value = val;

left = NULL;

right = NULL;

}

};

void printBinaryTree(struct TreeNode\* root) {

if (root == NULL) {

return;

}

printBinaryTree(root->left);// Traverse the left subtree

cout << root->value<<" ";

printBinaryTree(root->right);// Traverse the right subtree

}

int main() {

struct TreeNode\* root = new TreeNode(1);

root->left = new TreeNode(2);

root->right = new TreeNode(3);

root->left->left = new TreeNode(4);

printBinaryTree(root);

return 0;

}