//C program to print Preorder, Inorder and Postorder traversal of Binary tree//

#include <stdio.h>

#include <stdlib.h>

{

Int data;

Struct node\* left;

Struct node\* right;

};

{

Struct node\* node = (struct node\*)malloc(sizeof(struct node));

node-> = data;

node->left = NULL;

node->right = NULL;

return(node);

}

{

If (node == NULL)

return;

void printInorder(struct node\* node)

{

If (node == NULL)

return;

}

void printPreorder(struct node\* node)

{

If (node == NULL)

return;

}

int main()

{

Struct node \*root = newNode(0);

root->left = newNode(1);

root->right = newNode(2);

root->left->left = newNode(3);

root->left->right = newNode(4);

printf(“\nPreorder traversal of binary tree is \n”);

printPreorder(root);

printf(“\nInorder traversal of binary tree is \n”);

printInorder(root);

printf(“\nPostorder traversal of binary tree is \n”);

printPostorder(root);

getchar();

return 0;

}

Output:

Preorder traversal of binary tree is 1 2 4 5 3

Inorder traversal of binary tree is 4 2 5 1 3

Postorder traversal of binary tree is 4 5 2 3 1