**Mirror image of binary tree:**

#include<stdio.h>

#include<stdlib.h>

int stack[100];

int queue[100];

struct node\* create();

void display\_paths(struct node\* root, int path[], int length);

struct node

{

int data;

struct node \*left;

struct node \*right;

};

struct node\* create()

{

int ele;

struct node \*root;

printf("Enter data ( -1 for no data ) :");

scanf("%d",&ele);

if(ele==-1)

return NULL;

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

root->data=ele;

printf(" Enter left child of %d : \n",ele);

root->left=create();

printf(" Enter right child of %d : \n",ele);

root->right=create();

return root;

}

void mirror(struct node \*root)

{

if(root)

{

mirror(root->left);

mirror(root->right);

struct node \*temp=root->left;

root->left=root->right;

root->right=temp;

}

}

void printInorder(struct node\* node)

{

if (node == NULL)

return;

printInorder(node->left);

printf("%d ", node->data);

printInorder(node->right);

}

int main()

{

struct node \*root=NULL;

root=create();

printf("Before mirror inorder:");

printInorder(root);

mirror(root);

printf("\nAfter mirror inorder:");

printInorder(root);

return 0;

}

**Check if two tress are mirror image of each other:**

#include<stdio.h>

#include<stdlib.h>

struct node\* create();

void display\_paths(struct node\* root, int path[], int length);

struct node

{

int data;

struct node \*left;

struct node \*right;

};

struct node\* create()

{

int ele;

struct node \*root;

printf("Enter data ( -1 for no data ) :");

scanf("%d",&ele);

if(ele==-1)

return NULL;

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

root->data=ele;

printf(" Enter left child of %d : \n",ele);

root->left=create();

printf(" Enter right child of %d : \n",ele);

root->right=create();

return root;

}

int checkmirror(struct node \*x,struct node \*y)

{

if(x==NULL&&y==NULL)

{

return 1;

}

if(x==NULL||y==NULL)

return 0;

return x->data&&checkmirror(x->left,y->right)&&checkmirror(x->right,y->left);

}

int main()

{

struct node \*root=NULL,\*root1=NULL;

root=create();

root1=create();

if(checkmirror(root,root1))

printf("given two trees are mirror of each other");

else

printf("given two trees are not mirror of each other");

return 0;

}