/\*insertion in binary tree as leaf node\*/

#include<stdlib.h>

#include<stdio.h>

struct node {

int data;

struct node\* right, \* left;

};

struct node\*tree;

void insert(struct node \*\* tree, int val)

{

struct node \*temp = NULL;

if(!(\*tree))

{

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

temp->left = temp->right = NULL;

temp->data = val;

\*tree = temp;

return;

}

if(val < (\*tree)->data)

{

insert(&(\*tree)->left, val);

}

else if(val > (\*tree)->data)

{

insert(&(\*tree)->right, val);

}

}

int main()

{

node \*root;

node \*tmp;

//int I;

root = NULL;

/\* Inserting nodes into tree \*/

/\*

our tree after insertion

9

/ \

4 15

/ \ / \

2 6 12 17

\*/

insert(&root, 9);

insert(&root, 4);

insert(&root, 15);

insert(&root, 6);

insert(&root, 12);

insert(&root, 17);

insert(&root, 2);

printf("the node containg the value 2 is a inserted leaf node\n");

}

