
.. ... Dec 8, 2021 ... References

Category:Computer systems

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systemsQ: Binary Search Tree

Creation I am trying to create a binary search tree using pointers in

C. But,I have a problem with

inserting the last node, it's at the

first position. typedef struct node{

int data; struct node *left; struct

node *right; } node; node*

createNode(int data) { node*

n=malloc(sizeof(node));

n->data=data; n->left=NULL;

```
n->right=NULL; return n; } int
insertion(node* root,int data){
if(root==NULL){
root=createNode(data); return 1;
}else if(root->data>data){ return
insertion(root->left,data); }else{
return insertion(root->right,data); }
```

} I have to write a recursive function for insertion and then print the tree. Thank you. A: There are a couple of issues with your code. 1) The insertion function does not "return" anything. 2) Your function does not recursively call itself, so you won't ever reach the

base case of the loop. node*
insertion(node* root, int data){
should be node* insertion(node*
root, int data){ You can also pass
the root parameter by reference,
and return the node pointer, like
node* insertion(node* &root, int
data){ and return NULL in the
base case, like node*
insertion(node* &root, int data){
if(root==NULL){ root =
createNode(data); return NULL
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