#Aim: Write Python Program For Inserting An Element Into Binary Tree.

from drawtree import draw\_bst

class Node:

def \_\_init\_\_(self,key):

self.left=None

self.right=None

self.val=key

def insert(root,node):

if root is None:

root=node

else:

if root.val<node.val:

if root.right is None:

root.right=node

else:

insert(root.right,node)

else:

if root.left is None:

root.left=node

else:

insert(root.left,node)

def inorder(root):

if root:

inorder(root.left)

order.append(root.val)

inorder(root.right)

order=[]

a=int(input("Enter the root of the tree: "))

r=Node(a)

l=[a]

draw\_bst(l)

ch=str(input("Do you want to insert more node?(y/n): "))

while ch=='y':

a=int(input("Enter the node to insert: "))

insert(r,Node(a))

l.append(a)

draw\_bst(l)

ch=str(input("Do you want to insert more node?(y/n): "))

inorder(r)

print('\nInorder: ')

print(order)