Homework – Lesson –10 (Binary Search Trees)

1. Implement the following methods in the demo code folder `MyBST`.java

a. **public void** preOrder(){
preOrder(root);
}
private void preOrder(BinaryNode t){//implement}

b. **public void** postOrder(){
preOrder(root);
}
private void postOrder(BinaryNode t){ //implement }

c. **public boolean** contains(**Integer** key){ //implement }

d. **public** Integer getRoot(){//implement }

e. **public Integer leafNodes(){**
return leafNodes(root)
}
private int leafNodes(BinaryNode t){// Implement}

f. **public int size(){**//implement **}**

g. **public boolean isEmpty(){**//implement **} // check the tree is empty or not**

h. **public Integer findMin(){**
return findMin(root);
}
private Integer findMin(){//implement **}**

i. **public Integer findMax(){**
return findMax(root);
}
public Integer findMax(){// implement }