Experiment 8. Traversals of Binary Trees Part II

Ⅰ. Experiment purpose

For this lab, you will practice to traverse binary tree in three ways by programing.

Ⅱ. Use instruments and materials

Eclipse

Ⅲ. Experiment content

For this lab, study the tree iterator implementation (TreeIterator.java on the next page.) Write a method main to test all the methods in this program.

Ⅳ. Test steps and process records

Find other source files by borrowing from the code provided in the tutorial.

```
Test setPreorder(), preorder(), remove() and next():
60 20 10 40 30 50 70
Test setIneorder(), inorder(), remove() and next():
10 20 30 40 50 60 70
Test postIneorder(), postorder(), remove() and next():
10 30 50 40 20 70 60
hasNext():
false
```

Ⅴ. Experimental gains and experiences

1. Learn about Binary Tree.
2. Learn about the three ways to traverse binary tree.
3. Learn about the iterator and the methods in it.

Ⅵ. Codes

In attachment.