Problem Solution Approach

I used node in HeapTree class and this node has one heap list.

And I used node for heap list and this node has two value.

I used generic types for you, so you can use this heap tree for any type.

Detailed system Requirements

	FUNCTIONAL	REQIREMENTS
FR01	find_mod()	It returns mod number.
FR02	remove(E element)	You can remove any specific element.
FR03	add(E newValue)	You can add element.
FR04	<pre>find(E element)</pre>	It finds specific element.
FR05	travelPrint()	You can print every node of HeapTree. Every line has heap list.

Class Diagrams

Class diagram is in the file.

Test Cases

	FUNCTIONAL REQIREMENTS
TC01	Add element to empty heap.
TC02	Find element in heap.
TC03	Delete specific element in heap.
TC04	Add element that already in the heap.
TC05	Find element that is not in the heap.

Running Command and Results

```
apTree<Integer> NewSecondTree = new HeapTree<Integer>();
apTree<Integer> NewTree = new HeapTree<Integer>();
}
catch(IllegalAccessException e) {
   System.out.println("There are not any element in this heap.");
HeapTree--
900-1 || 102-2 || 122-4 || 16-1 || 17-1 || 109-2 ||
97-1 || 105-1 || 10-1 || 1-2 || 11-2 || 5-2 ||
900-1 || 1100-2 || 1040-1 ||
```