

```
1  /**
2   *
3   * Class Value is the representation of a "tagged value", as employed in
4   * interpreters that perform runtime type checking. A tagged value consists of
5   * a generic value field, of type Object, and a type field, of type TypeNode.
6   *
7   */
8
9  public class Value {
10
11     /**
12     * Construct this with the given value and type.
13     */
14     public Value(Object val, TypeNode type) {
15         this.val = val;
16         this.type = type;
17     }
18
19     /** The value field */
20     public Object val;
21
22     /** The type-tag field */
23     public TypeNode type;
24
25     /**
26     * Return the string representation of this as the toString of its value
27     * and type. The two components are separate lines, and prefixed with
28     * "val: " and "type: ", respectively.
29     */
30     public String toString() {
31         return "val: " + val + "\ntype: " + type;
32     }
33
34 }
```