```
 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 are separate lines, and prefixed with
28       * "val: " and "type: ", respectivey.
29       */
30      public String toString() {
31          return "val: " + val + "\ntype: " + type;
32      }
33
34  }
```