```
 1 package main;
 2
 3 import java.util.ArrayList;
11
12 public class StateMachine {
13
14     private State current;
15     private State initial;
16     private String currentEvent;
17     private Map<String, State> states = new HashMap<>();
18     private List<String> integers = new ArrayList<String>();
19
20     public StateMachine() { }
21
22     private State getState(String name) {
23         if(!states.containsKey(name)) {
24             states.put(name, new State(name));
25         }
26         return states.get(name);
27     }
28
29
30     public Machine build() {
31         // TODO Auto-generated method stub
32         return new Machine(states.values(), initial, integers);
33         //return null;
34     }
35
36     public StateMachine state(String string) {
37         // TODO Auto-generated method stub
38         current = getState(string);
39         return this;
40         //return null;
41     }
42
43     public StateMachine initial() {
44         // TODO Auto-generated method stub
45         initial = current;
46         return this;
47         //return null;
48     }
49
50     public StateMachine when(String string) {
51         // TODO Auto-generated method stub
52         currentEvent = string;
53         return this;
54         //return null;
55     }
56
57     public StateMachine to(String string) {
```

```java
 58            // TODO Auto-generated method stub
 59            Transition t = new Transition(currentEvent, getState(string));
 60            current.addTransition(t);
 61            return this;
 62            //return null;
 63        }
 64
 65    public StateMachine set(String string, int i) {
 66            // TODO Auto-generated method stub;
 67            states.put(string, new State(Integer.toString(i)));
 68 //         Transition t = new Transition(currentEvent, getState(string));
 69 //         current.addTransition(t);
 70            return this;
 71
 72
 73 //         states.put(string, new State(Integer.toString(i)));
 74 //         return this;
 75 //         return null;
 76        }
 77
 78    public StateMachine integer(String string) {
 79            // TODO Auto-generated method stub
 80            integers.add(string);
 81            return this;
 82            //return null;
 83        }
 84
 85    public StateMachine increment(String string) {
 86            // TODO Auto-generated method stub
 87            int i = Integer.parseInt(states.get(string).getName().toString());
 88            System.out.println(i);
 89            return null;
 90        }
 91
 92    public StateMachine decrement(String string) {
 93            // TODO Auto-generated method stub
 94            return null;
 95        }
 96
 97    public StateMachine ifEquals(String string, int i) {
 98            // TODO Auto-generated method stub
 99            return null;
100        }
101
102    public StateMachine ifGreaterThan(String string, int i) {
103            // TODO Auto-generated method stub
104            return null;
105        }
106
107    public StateMachine ifLessThan(String string, int i) {
```

```
108          // TODO Auto-generated method stub
109          return null;
110      }
111
112  }
113
```