

```

1  public class Originator {
2      private String state;
3
4      public void setState(String state){
5          this.state = state;
6      }
7      public String getState(){
8          return state;
9      }
10     public Memento saveStateToMemento(){
11         return new Memento(state);
12     }
13     public void getStateFromMemento(Memento Memento){
14         state = Memento.getState();
15     }
16 }
17 =====
18 public class Memento {
19     private String state;
20     public Memento(String state){
21         this.state = state;
22     }
23     public String getState(){
24         return state;
25     }
26 }
27 =====
28 public class CareTaker {
29     public static void main(String[] args){
30         final List<Memento> mementoList = new ArrayList<Memento>();
31         Originator originator = new Originator();
32         originator.setState("1");
33         mementoList.add(originator.saveStateToMemento());
34         originator.setState("2");
35         System.out.println("originator state: " + originator.getState());
36         originator.getStateFromMemento(mementoList.get(0));
37         System.out.println("originator state: " +originator.getState());
38     }
39 }
40

```