

C:/nqCbtp/JavaApplication8/src/Terminal.java

```
1  /*****
2  *   TerminalConnecor
3  *****/
4
5  class TerminalConnecor {
6      protected Terminal provider, consumer;
7      protected boolean  normalyClosed, activeLow;
8      private   boolean  isbooleen=false;
9
10     public TerminalConnecor(Terminal provider, boolean normalyClose, Terminal consumer,
boolean activeLow) {
11         initialize(provider, consumer);
12         isbooleen=true;
13         this.normalyClosed=normalyClose;
14         this.activeLow=activeLow;
15     }
16
17     public TerminalConnecor(Terminal provider, Terminal consumer) {
18         initialize(provider, consumer);
19     }
20
21     private void initialize(Terminal provider, Terminal consumer) {
22         try {
23             if (!provider.getClass().equals(consumer.getClass()))
```

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```
24         throw new RuntimeException("Erreur, provider et consumer de types différents");
25     if (!consumer.connectedToProducer())
26         throw new RuntimeException("Erreur, plus d'un provider connecté à un consumer");
27     }
28     catch (RuntimeException e) {
29         println(e);
30         terminate=true;
31         exit();
32     }
33     this.provider=provider;
34     this.consumer=consumer;
35 }
36
37 public void transmit() {
38     if (isboolean)
39         consumer.write( ((boolean) provider.read() ^ normallyClosed) ^ activeLow);
40     else
41         consumer.write(provider.read());
42 }
43 }
```