

HierarchicalInheritance.java

```
1 package HierarchicalInheritanceInJava;
2
3 class LevelA
4 {
5     public void showA()
6     {
7         System.out.println("This is level A");
8     }
9 }
10
11 class LevelB extends LevelA
12 {
13     public void showB()
14     {
15         System.out.println("This is level B");
16     }
17 }
18
19 class LevelC extends LevelA
20 {
21     public void showC()
22     {
23         System.out.println("This is level C");
24     }
25 }
26
27 class LevelD extends LevelA
28 {
29     public void showD()
30     {
31         System.out.println("This is level D");
32     }
33 }
34
35 public class HierarchicalInheritance {
36
37     public static void main(String args[])
38     {
39         LevelB lb = new LevelB();
40         lb.showA();
41         lb.showB();
42
43         LevelC lc = new LevelC();
44         lc.showC();
45         //lc.showA();
46
47         LevelD ld = new LevelD();
48         ld.showD();
49         //ld.showA();
50     }
51
52 }
53
```