```java
 1: // J.J. Collins,
 2: // CS4125 / CS5121 / CS5721
 3:
 4: // Name: prog1_b-interfaces.java
 5: // Intent: (a) move towards a realisation of the importance of "Program to
         Interfaces, NOT Implementation"
 6: //          (b) a person has an address
 7: // Note: still fails LSP
 8:
 9: import java.util.*;
10: /*********************************************************/
11: class address
12: {
13:    // attributes
14:    private int tel;
15:
16:    // operations / methods
17:    public void set_tel_no(int number) {tel = number;}
18:    public void display_tel_no() { System.out.println(" Telephone number is: " + tel)
         ;}
19: };
20: /*********************************************************/
21: // class person (subclass) inherits from class address (superclass).
22:
23: class person extends address
24: {
25:      private int dob;
26:      public void set_dob(int date) { dob = date;}
27:      public void display_dob() { System.out.println(" Date of birth is: " +  dob);}
28: }
29: /*********************************************************/
30: class client {
31:
32:    public static void main(String args[]) {
33:
34:      person p = new person();
35:
36:      // invoke some operations on p
37:      p.set_tel_no(12345);
38:      p.set_dob(121212);
39:      p.display_tel_no();
40:      p.display_dob();
41:
42:      // The following noew generates a compile time error, if uncommented
43:      // p.tel = 789;
44:
45:    }
46: }
47: /*********************************************************/
48:
```