1 **public** **class** BooleanExpressions

2 {

3 **public** **static** **void** main(String[] args)

4 {

5 **int** i1 = 5;

6 **double** d1 = 3.53; **double** d2 = 54.88;

7 **char** c1 = 'A'; **char** c2 ='C';

8 **boolean** b1 = **true**; **boolean** b2 = **false**;

9 String s1 = **new** String("Bob");

10 String s2 = **new** String("Bob");

11

12 System.out.println(i1 < 5);

13 System.out.println(d1 > d2);

14

15 System.out.println(i1 >= d1); **// integer i1 promoted**

16 System.out.println(d1 <= 3); **// integer 3 is promoted**

17

18 System.out.println(c1 < c2); **// lexicographical order used**

19 System.out.println(10 > c2); **// c2 promoted to numeric 67**

20

21 System.out.println(b1 == b2) ;

22

23 System.out.println( i1 == 5 || c1 < 'A' && d1 != 21.8 );

24

25 System.out.println(s1 == s2); **// compares contents of s1 and s2**

26 }

27 }

**Output**

false

false

true

false

true

false

false

true

false

**Figure 4.1 The application BooleanExpressions and the output it produces.**