

```
1 // Ch9Demo3
2
3 import java.io. BufferedReader ;
4 import java.io. InputStreamReader ;
5 import java.io. IOException ;
6
7 public class Ch9Demo3
8 {
9     public static void main (String [] args) throws IOException
10    {
11        Comparable thing1, thing2, thing3;
12
13        BufferedReader console = new BufferedReader (new
14        InputStreamReader (System.in));
15        System.out.print ("Enter 1 or 2: " );
16        String input = console.readLine ();
17        int num = Integer.parseInt (input);
18
19        if (num == 1)
20        {
21            thing1 = new Student (4.0, "jason", 72);
22            thing2 = new Student (3.4, "courtney", 63);
23            thing3 = new Student (3.4, "brandon", 63);
24        }
25        else
26        {
27            thing1 = "Avalanche" ;
28            thing2 = "Broncos" ;
29            thing3 = "Cardinals" ;
30        }
31
32        findMax (thing1, thing2, thing3 );
33        // example of late-binding since the JVM doesn't know until runtime
34        // whether the Student class compareTo method or the
35        // String class compareTo method will be used
36    }
37
38    public static void findMax (Comparable a, Comparable b, Comparable c)
39    {
40        if (a.compareTo (b) > 0 && a.compareTo (c) > 0)
41            System.out.println (a + " is the max" );
42        else if (b.compareTo (a) > 0 && b.compareTo (c) > 0)
43            System.out.println (b + " is the max" );
44        else
45            System.out.println (c + " is the max" );
46    }
47 }
48
49
50
51
```