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1  /* PRACTICAL14: Write a program in Java to demonstrate multiple try block and multiple catch exception.
2
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6
7  // CODE:
8
9  public class practical14
10 {
11     public static void main(String[] args)
12     {
13         try
14         {
15             int[] num = {1, 2, 3};
16             System.out.println("--> Element at index 5: " + num[5]);
17         }
18         catch (ArrayIndexOutOfBoundsException e)
19         {
20             System.err.println("---> ArrayIndexOutOfBoundsException: " + e.getMessage());
21         }
22
23         try
24         {
25             int result = divide(10, 0);
26             System.out.println("--> Result: " + result);
27         }
28         catch (ArithmeticException e)
29         {
30             System.err.println("---> ArithmeticException: " + e.getMessage());
31         }
32
33         try
34         {
35             String str = null;
36             System.out.println("--> Length of the string: " + str.length());
37         }
38         catch (NullPointerException e)
39         {
40             System.err.println("---> NullPointerException: " + e.getMessage());
41         }
42     }
43
44     public static int divide(int numerator, int denominator)
45     {
46         return numerator / denominator;
47     }
48 }
```