

## Java Week 5: Q3

Due on 2020-10-22, 23:59 IST

Complete the code segment to catch the `ArithmeticException` in the following, if any. On the occurrence of such an exception, your program should print "Exception caught: Division by zero." If there is no such exception, it will print the result of division operation on two integer values.

Private Test cases used for evaluation Input	Expected Output	Actual Output	Status
Test Case 1	10 3 3	3	Passed
Test Case 2	5 0 Exception caught: Division by zero.	Exception caught: Division by zero.	Passed

The due date for submitting this assignment has passed.

2 out of 2 tests passed.

You scored 100.0/100.

Assignment submitted on 2020-10-21, 14:48 IST

Your last recorded submission was :

```

1 import java.util.Scanner;
2
3 public class Question5_3 {
4     public static void main(String[] args) {
5         int a, b;
6         Scanner input = new Scanner(System.in);
7
8         //Read any two values for a and b.
9         //Get the result of a/b;
10
11         a = input.nextInt();
12         b = input.nextInt();
13
14         try
15         {
16             System.out.print(a/b);
17         }
18         catch(ArithmeticException e)
19         {
20             System.out.print("Exception caught: Division by zero.");
21         }
22     }
23 }

```

Sample solutions (Provided by instructor)

```

1 import java.util.Scanner;
2
3 public class Question5_3 {
4     public static void main(String[] args) {
5         int a, b;
6         Scanner input = new Scanner(System.in);
7
8         int result;
9         a = input.nextInt();
10        b = input.nextInt();
11
12        // try block to divide two numbers and display the result
13        try {
14            result = a/b;
15            System.out.println(result);
16        }
17        // catch block to catch the ArithmeticException
18        catch (ArithmeticException e) {
19            System.out.println("Exception caught: Division by zero.");
20        }
21    }
22 }
23 }

```

### Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

Week 1 :

Week 2 :

Week 3 :

Week 4 :

Week 5 :

- Lecture 21 : Interface-II
- Lecture 22 : Demonstration-IX
- Lecture 23 : Exception Handling-I
- Lecture 24 : Exception Handling-II
- Lecture 25 : Exception Handling-III
- Quiz: Assignment 5
- Java Week 5: Q1
- Java Week 5: Q2
- Java Week 5: Q3
- Java Week 5: Q4
- Java Week 5: Q5
- Feedback For Week 5

Week 6 :

Week 7 :

Week 8 :

Week 9 :

Week 10 :

Week 11 :

Week 12 :

Solution

DOWNLOAD VIDEOS

Text Transcripts

Programming Test - (April 11 - 10AM - 12 PM)

Programming Test - (April 11 - 8PM - 10 PM)