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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Programming in Java (course)

Announcements (announcements)

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Course outline

**How does an
NPTEL online
course work?**

Week 0 :

Week 1 :

Week 2 :

Week 3 :

Week 4 :

Week 5 :

🔵 Lecture 21 :
Interface-II
(unit?
unit=6&lesson=35)

Java Week 5: Q3

Due on 2020-03-05, 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	1 0 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 2020-03-05, 23:02 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  a = input.nextInt();
11      b = input.nextInt();
12   //Get the result of a/b;
13  try{
14  System.out.print(a/b);
15  }
16  catch(ArithmeticException e)
17  {
18      System.out.print("Exception caught: Division by zero.");
19  }
20   }
21  }
22
```

Sample solutions (Provided by instructor)

Select the Language . Java ▼

```
 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  }
24
```

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**Assignment
Solution**