Week 05 : Programming Assignment 3

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	5 4	1	1	Passed
Test Case 2	1 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 2025-02-24, 00:11 IST

Your last recorded submission was :

```java
import java.util.Scanner;

  public class W05_P3 {
  public static void main(String[] args) {
      int a, b;
      Scanner input = new Scanner(System.in);
       // Read any two values for a and b
       int result;

      a = input.nextInt();
      b = input.nextInt();
// Try block to divide two numbers and display the result
      try {
          result = a / b; // Attempting division
          System.out.print(result);
      }
      // Catch block to handle ArithmeticException
      catch (ArithmeticException e) {
          System.out.print("Exception caught: Division by zero.");
      }

      input.close(); // Close the Scanner
}
}
```

Sample solutions (Provided by instructor)

```java
import java.util.Scanner;

  public class W05_P3 {
  public static void main(String[] args) {
      int a, b;
      Scanner input = new Scanner(System.in);
       // Read any two values for a and b
       int result;

      a = input.nextInt();
      b = input.nextInt();
// try block to divide two numbers and display the result
      try {
              result = a/b;
              System.out.print(result);
          }
          // catch block to catch the ArithmeticException
          catch (ArithmeticException e) {
              System.out.print("Exception caught: Division by zero.");
          }
}
}
```