

**Aim:**

Write a Java program that handles multiple exceptions.

**Source Code:****CatchMultipleException.java**

```
import java.lang.*;
import java.util.*;
import java.io.*;

class CatchMultipleException {
    public static void main(String args[]) {
        int num1, num2;
        int arr[] = new int[10];
        Scanner sc = new Scanner(System.in);
        try {
            /*Take values for numerator and denominator from the console */
            System.out.print("Enter a value for numerator: ");
            num1 = sc.nextInt();
            System.out.print("Enter a value for denominator: ");
            num2 = sc.nextInt();
            arr[10] = num1 / num2; /* Divide the numerator and denominator*/ ;
        }
        catch(Exception e)
        {
            System.out.print("Exception caught: "+e.getMessage());
        }
        /* catech ArithmeticException and ArrayIndexOutOfBoundsException here*/
    }
}
```

**Execution Results** - All test cases have succeeded!

Test Case - 1
User Output
Enter a value for numerator: 15
Enter a value for denominator: 0
Exception caught: / by zero

Test Case - 2
User Output
Enter a value for numerator: 30
Enter a value for denominator: 2
Exception caught: Index 10 out of bounds for length 10