```
import java.util.Scanner;
public class ExceptionHandling {
  public static void main(String[] args) {
   Scanner scanner = new Scanner(System.in);
   int[] array = new int[2]; // For simulating ArrayIndexOutOfBoundsException
   try {
     // Getting user input for Num1 and Num2
     System.out.println("Enter Num1:");
     String input1 = scanner.nextLine();
     System.out.println("Enter Num2:");
     String input2 = scanner.nextLine();
     // Parse the inputs as integers, might throw NumberFormatException
     int num1 = Integer.parseInt(input1);
     int num2 = Integer.parseInt(input2);
     // Simulate ArrayIndexOutOfBoundsException
     array[2] = 5; // This will throw an exception as index 2 does not exist
     // Perform division, might throw ArithmeticException
     int result = num1 / num2;
     System.out.println("The result of division is: " + result);
```

```
} catch (ArithmeticException e) {
     System.out.println("ArithmeticException: Division by zero is not allowed.");
   } catch (ArrayIndexOutOfBoundsException e) {
     System.out.println("ArrayIndexOutOfBoundsException: You tried to access an invalid
array index.");
   } catch (NumberFormatException e) {
     System.out.println("NumberFormatException: Please enter valid integer values.");
   } finally {
     scanner.close();
   }
 }
}
Output:
Enter Num1:
10
Enter Num2:
0
```

ArrayIndexOutOfBoundsException: You tried to access an invalid array index.

ArithmeticException: Division by zero is not allowed.