public class ExceptionHandlingExample {

public static void main(String[] args) {

try {

int numerator = 10;

int denominator = 0;

int result = divide(numerator, denominator);

System.out.println("Result: " + result);

} catch (ArithmeticException e) {

System.out.println("Error: Cannot divide by zero.");

} finally {

System.out.println("Division attempt finished.");

}

}

// Method to perform division

public static int divide(int a, int b) {

return a / b;

}

}