```java
package implementation;

import java.io.*;

class CustomException extends Exception {
 public CustomException(String message) {
  super(message);
 }
}

 class Main {
 public static void main(String[] args) {
  try {
   int x = 10;
   int y = 0;
   int result = divide(x, y);
   System.out.println("Result: " + result);
  } catch (CustomException e) {
   System.out.println("CustomException caught: " + e.getMessage());
  } catch (ArithmeticException e) {
   System.out.println("ArithmeticException caught: " + e.getMessage());
  } finally {
   System.out.println("Finally block executed");
  }
 }

 public static int divide(int x, int y) throws CustomException {
  if (y == 0) {
   throw new CustomException("Cannot divide by zero");
  }
  return x / y;
```

```
        }

    }
```

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```
<terminated> Main [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (May 11, 2023, 7:56:38 AM)
CustomException caught: Cannot divide by zero
Finally block executed
```