

```

package Project10May;

public class ThrowFinallyAndThrows {
    public static void main(String[] args) {
        try {
            divide(10, 0);
        } catch (CustomException e) {
            System.out.println("Exception happen " + e.getMessage());
        } finally {
            System.out.println("Finally block executed");
        }
    }

    public static void divide(int dividend, int divisor) throws
CustomException {
        try {
            if (divisor == 0) {
                throw new CustomException("Cannot divide by zero");
            }
            int result = dividend / divisor;
            System.out.println("Result: " + result);
        } catch (ArithmeticException e) {
            throw new CustomException("ArithmeticException occurred",
e);
        }
    }
}

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

```

The screenshot shows the IDE's Run window for the class 'ThrowFinallyAndThrows'. The command executed is: `"C:\Program Files\Java\jdk-15.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.1.1\lib\idea_rt.jar=56285:C:\Program Files\JetBrains\I`. The output shows the exception message and the finally block execution. The process finished with exit code 0.