```java
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);
        }
    }
```