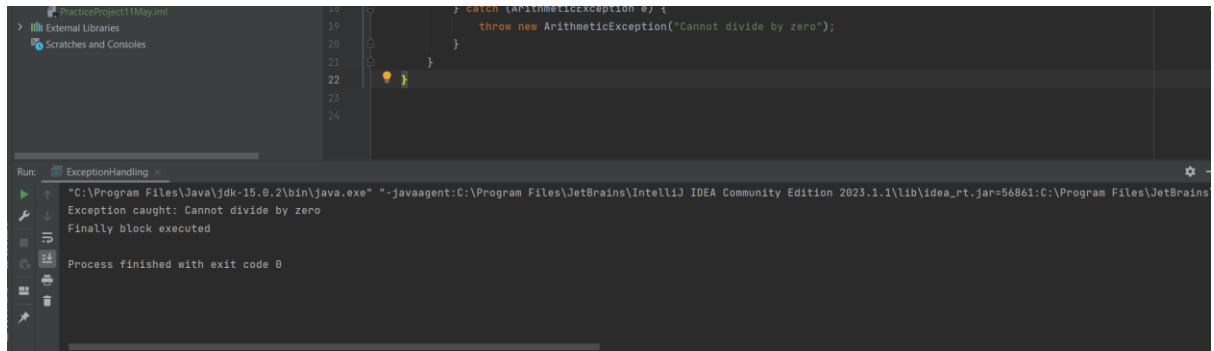


```
package Project10May;

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

    public static int divide(int dividend, int divisor) {
        try {
            int result = dividend / divisor;
            return result;
        } catch (ArithmeticException e) {
            throw new ArithmeticException("Cannot divide by zero");
        }
    }
}
```



The screenshot shows the IntelliJ IDEA IDE with the 'ExceptionHandling' class open. The Run window at the bottom displays the following output:

```
Run: ExceptionHandling
"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=56861:C:\Program Files\JetBrains
Exception caught: Cannot divide by zero
Finally block executed
Process finished with exit code 0
```