5. Writing a program in Java to throws, throw, finally, and custom exceptions in Java.
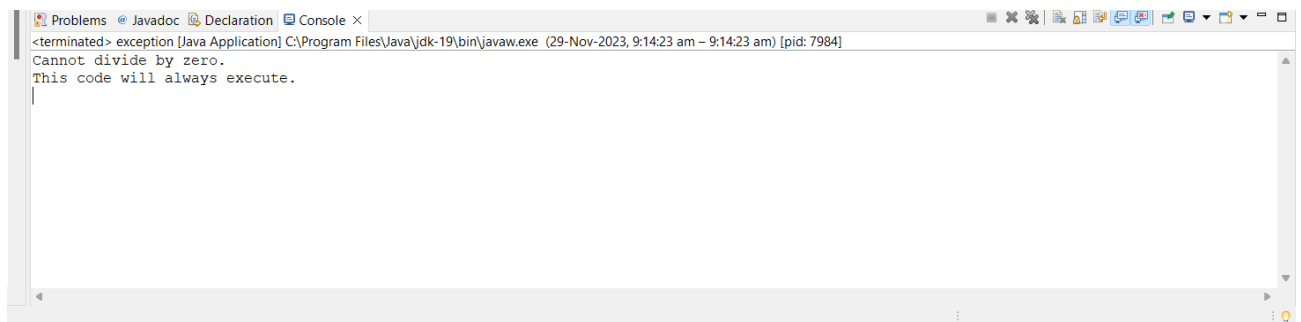
```java
package AssistedPracticeProject;

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

public class exception {
    public static void main(String[] args) {
        try {
            divide(10, 0);
        } catch (CustomException e) {
            System.out.println(e.getMessage());
        } finally {
            System.out.println("This code will always execute.");
        }
    }

    public static void divide(int a, int b) throws CustomException {
        if (b == 0) {
            throw new CustomException("Cannot divide by zero.");
        } else {
            System.out.println(a / b);
        }
    }
}
```

Output:

Problems   @ Javadoc   Declaration   Console ✕
<terminated> exception [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (29-Nov-2023, 9:14:23 am – 9:14:23 am) [pid: 7984]
Cannot divide by zero.
This code will always execute.