

Implementing of try, catch and finally block

```
public class TryCatchFinallyExample {  
    public static void main(String[] args) {  
        try {  
            int result = 10 / 0; // This will cause ArithmeticException  
            System.out.println("Result: " + result);  
        } catch (ArithmeticException e) {  
            System.out.println("Error: Cannot divide by zero!");  
        } finally {  
            System.out.println("This is the finally block, it always executes.");  
        }  
        System.out.println("Program execution continues...");  
    }  
}
```

Explanation:

1. **try Block:** Contains the code that may cause an exception (10 / 0).
2. **catch Block:** Catches the ArithmeticException and handles it.
3. **finally Block:** Executes **always**, whether an exception occurs or not.
4. **Execution Continues:** The program does not stop after an exception.

Expected Output:

Error: Cannot divide by zero!

This is the finally block, it always executes.

Program execution continues...