≡ FinallyClause.txt

```java
public class FinallyClause {
    static int count = 0;
    public static void main(String[] args) {
        while (true) {
            try {
                if (++count == 2) throw new Exception();
                if (count == 3) break;
                System.out.println("(" + count + ") No exception");
            } catch (Exception e) {
                System.out.println("(" + count + ") Exception occurred");
            } finally {
                System.out.println("(" + count + ") in finally clause");
            }
        } // end while
        System.out.println("Main program ends");
    }
}

// 1. Why does the program print the two lines below?
//   (2) Exception occurred
// That is why:
// "in the twice loop, first add one to the count veriables, next throw exception ,then move to the catch clause then output the output.
//   (2) in finally clause
// this finally clause is always going to excuted, so the line is outputted
// 2. Why does the program print the line below (It looks like the program does not print the line because of the break statement)?
//   (3) in finally clause
// in the third loop, after adding one to count, the line 8 is implemented, then move to finally clause(because finally is allways going to be implemented).
// This is why "(3) in fainally clause" was implemented.
// 3. Why does the program print the line below?
//    Main program ends
//just because the output is witten after the try clause. It implements as long as without stopping the program
```