```
Session: Exceptions in Java
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1. What is wrong with this code?
public void Foo () }
      try {
       lock() // lock some resource
       // open some resource
       // try to change some things
       // fool around a bit
   catch (Exception e) { -> emty braces, nothing brappers
      catch (ConcurrentModificationException e) {
                                                       · Second exception is nove
      System.out.println(,, bad stuff going on today!")
                                                          Caught as the first (more
                                                          general one) catagos all exceptions
                             use log instead of
      finally {
                                                          - always start with the
                             Syport, more informative
            return;
                                                              Specific exception!
                                                                   6 more helpful when debugging
            shouldn't be
}
          inside finally {}
2. What will be the output of the program?
public class TestException
    public static void badCall()
        System.out.print("throwing it ");
        throw new RuntimeException();
    public static void main(String [] args)
        try
        {
             System.out.print("hello ");
             badCall();
        catch (Exception re )
             System.out.print("caught ");
                                                 -> reached end of while parsing
        finally
             System.out.print("finally ");
        System.out.println("after ");
    }
            -> after adding brace: "hello throwing it caught finally after"
```

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3. Output?
public class TestException1
          public static void main(String [] args)
            try
              badMethod();
              System.out.print("A");
            catch (Exception ex)
              System.out.print("B");
            finally
              System.out.print("C");
            System.out.print("D");
                                              CException in thread "main" java.lang.Error
          public static void badMethod()
                                               at aufg.TestException1.badMethod(TestException1.java:24)
                                               at aufg.TestException1.main(TestException1.java:9)
            throw new Error();
          }
}
4. Make it compile!
public class TestException2
                                                                        public class TestException2
          class TestException extends Exception {} // inner class
                                                                          class TestException extends Exception {} //
                public void runTest() throws TestException {}
                                                                        inner class
                                                                          public void runTest() throws TestException {}
                public void test()
                                                                          public void test() throws TestException {
                                                                             runTest():
                     unitesi(),

(add exception to
method signature)
                                                                       }
        }
5. When should you re-throw a caught exception?
               if the catch-block is unable to handle it
6. A banking software detects, that a certain customer ID is not in the database.
         Is this a) a system exception, b) a custom exception, c) no exception.
            Depends on the implementation but to) would probably make the most sense ~ 5th Like "customer Notetown d'Exception"
```

7. Was ist der Vorteil von Exceptions gegenüber dem Auswerten von Fehlerwerten im Return?

Errors are already categorized when they occur and can be biandled right away inside the code