

exc. > fail

one ext. -> pass

Jone Ex. -> pass Consider a mutator method 'm' defined in class 'SomeClass'. Assume that the **correct** implementation of method `m`is such that: • When `m` is invoked for the first time, no exceptions occur. When `m` is invoked for the second time, a `SomeExceptoin` occurs. public class Tester { /* This is a JUnit tester. */ mappopriate /* import of JUnit assertions omitted */ @Test public void test() { SomeClass obj = new SomeClass(); try { obj.m(); obi.m(); fail(); catch(SomeException e) {

appropriate public class Tester { /* This is a console tester. */ public static void main(String[] args) { SomeClass obj = new SomeClass(); => expert come is at ext. occurred > raught and "Fad" printed

In("Fail");

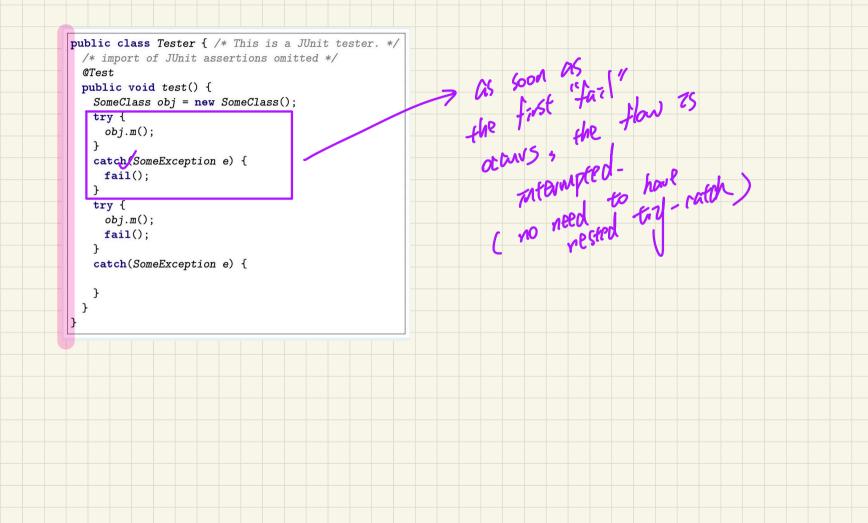
Ext. if ext. not occurred -> proceed with normal

on e) { catch(SomeException e) { catch(SomeException e) { ✓ System.out.println("Fail"); public class Tester { /* This is a JUnit tester. */ public class Tester { /* This is a JUnit tester. /* import of JUnit assertions omitted */ /* import of JUnit assertions omitted */ @Test @Test public void test() { public void test() { SomeClass obi = new SomeClass(): SomeClass obj = new SomeClass(); try { obj.m(); obj.m(); try { satch(SomeException e) { obj.m(); fail(): catch(SomeException e) { trv { obj.m(); fail(): catch(SomeException e) { catch(SomeException e) { fail();

public class Tester { /* This is a console tester. */ public static void main(String[] args) { SomeClass obj = new SomeClass(); try { obj.m() a first failure
a first failure
occurred;
occurred;
of exercipted catch(SomeException e) { // System.out.println("Fail"); trv { obj.m(); System.out.println("Fail"); catch(SomeException e) { should not much is occurred already.

Le to a fail occurred to have nested try-catch)

Cheed to have nested



public class Tester { /* This is a JUnit tester. */ SomeClass obj = new SomeClass();

try {

obj.m();

obj.m();

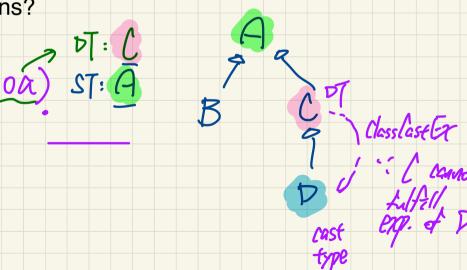
catch(SomeClass());

catch(SomeC /* import of JUnit assertions omitted */ @Test public class Tester { /* This is a console tester. */ public void test() { public static void main(String[] args) { SomeClass obj = new SomeClass(); Obj.m();
Obj catch (Some Exception e) {

/* OF GROWN ON EXPRESSED */ System.out.println("Fail"); catch(SomeException e) { catch(SomeException e) { System.out.println("Fail"); fail(); the rest would not fail!

inappropriate

Past lab on recursion Interface mz()* Ly Arvaylist not conserved. [Al] my must be anderested absent class Are descendant classes only useful if they have more expectations than their ancestor classes? If not, on page 5 of your written notes on "Static Types, Expectations, Dynamic Types, and Type Casts", when you cast (D) oa, it does not work because the "d" attribute is not declared in class C. But if we suppose that class D simply didn't have the "od.d" expectation (so only "a" and "c" attributes), would it still cause a ClassCastException even though D and C would have the same expectations?



Given a string and a non-empty substring **sub**, compute recursively the largest substring which starts and ends with sub and return its length. $strDist("catcowcat", "cat") \rightarrow 9$ $strDist("catcowcat", "cow") \rightarrow 3$ $strDist("cccatcowcatxx", "cat") \rightarrow 9$ hints on recursive thinking to come!

```
class Collector {
     A[] as; int numberOfAs;
     B[] bs; int numberOfBs;
     Collector() {
                                               void addI (I t) {

3 IS [not] = t; note+
       as = new A[10]; bs = new B[10];
     void addA(A a) {
     cas[numberOfAs] = a; numberOfAs++; }
     void addB(B b) {
    bs[number0fBs] = b; number0fBs++; };
10
     void callAll() {
       for(int i = 0; i < numberOfAs; i ++)
11
                                             OC. addI(new A());
12
       { as[i].mi(); }
13
       for(int i = 0; i < numberOfBs; i ++)
14
       { bs[i].mi(); }
15
16
```