

61A Lecture 25

Wednesday, April 1

Announcements

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- New policy: Go to lab to earn back up to 5 lost midterm 2 points (some conditions apply)

Exceptions

Today's Topic: Handling Errors

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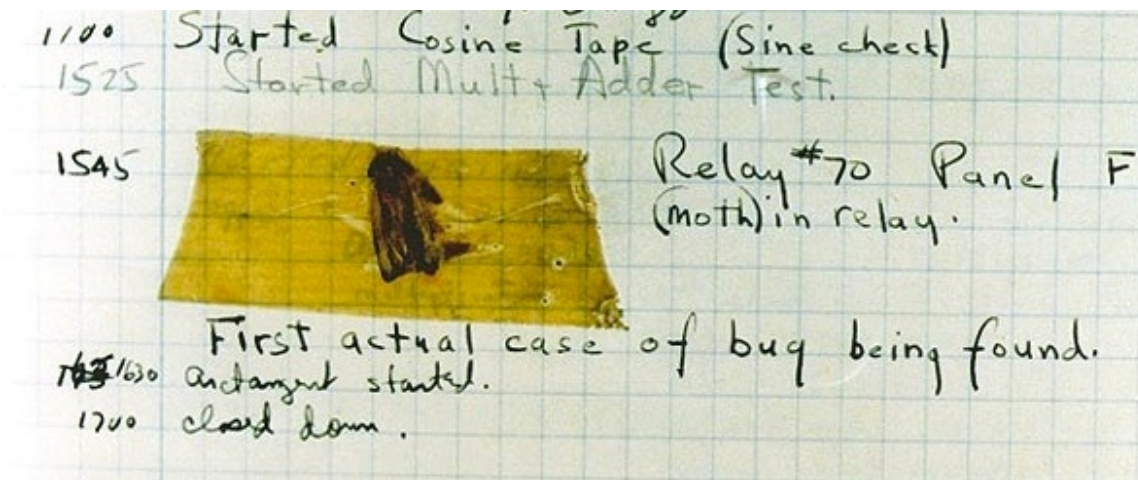
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- A network connection is lost in the middle of data transmission

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Grace Hopper's Notebook, 1947, Moth found in a Mark II Computer

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If **f** calls **g** and **g** calls **h**, exceptions can shift control from **h** to **f** without waiting for **g** to return.

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If **f** calls **g** and **g** calls **h**, exceptions can shift control from **h** to **f** without waiting for **g** to return.

(Exception handling tends to be slow.)

Raising Exceptions

Assert Statements

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(Demo)

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The <except suite> is executed, with <name> bound to the exception

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def invert(x):  
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    print('Never printed if x is 0')  
    return inverse  
  
def invert_safe(x):  
    try:  
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